

Supplementary Table S3

Even 1 (LINC00665)

	Symbol	logFC	PValue	FDR
ENSG00000267053.6	CTD-3162L10.1	-1.061	1.058E-25	1.707E-21
ENSG00000181007.8	ZFP82	-0.243	1.919E-17	1.548E-13
ENSG00000173110.7	HSPA6	3.217	3.359E-10	1.807E-06
ENSG00000149257.13	SERPINH1	1.454	3.046E-07	1.229E-03
ENSG00000119283.15	TRIM67	-0.741	8.534E-06	2.754E-02

Event 2 (NSUN4)

	Symbol	logFC	PValue	FDR
ENSG00000276168.1	RN7SL1	0.166	3.185E-43	5.617E-39
ENSG00000117481.10	NSUN4	-0.148	6.435E-40	5.675E-36
ENSG00000187951.10	LOC100288637	-0.754	3.695E-21	2.173E-17
ENSG00000257017.8	HP	-1.349	1.236E-16	5.452E-13
ENSG00000237973.1	RP5-857K21.6	-1.231	1.480E-14	5.220E-11
ENSG00000173110.7	HSPA6	-1.175	6.380E-10	1.875E-06
ENSG00000225217.1	RP11-25K21.4	-0.801	1.233E-08	3.107E-05
ENSG00000173349.5	SFT2D3	0.821	2.028E-08	4.472E-05
ENSG00000275395.5	FCGBP	-0.592	3.463E-08	6.786E-05
ENSG00000151929.9	BAG3	-0.459	7.147E-08	1.261E-04
ENSG00000149257.13	SERPINH1	-0.546	2.151E-07	3.449E-04
ENSG00000106211.8	HSPB1	-0.426	3.215E-07	4.726E-04
ENSG00000105559.11	PLEKHA4	-0.291	4.898E-07	6.646E-04
ENSG00000251158.1	RP11-98J23.1	-0.357	1.204E-06	1.516E-03
ENSG00000133048.12	CHI3L1	-0.511	1.635E-06	1.922E-03
ENSG00000099377.13	HSD3B7	-0.212	1.910E-06	2.106E-03
ENSG00000240344.8	PPIL3	0.142	2.132E-06	2.212E-03
ENSG00000170439.6	METTL7B	-0.327	2.279E-06	2.234E-03
ENSG00000081870.11	HSPB11	0.106	2.451E-06	2.275E-03
ENSG00000274767.1	AC131056.3	-0.314	3.296E-06	2.906E-03
ENSG00000169429.10	CXCL8	-0.664	3.850E-06	2.953E-03
ENSG00000276085.1	CCL3L3	-0.536	3.663E-06	2.953E-03
ENSG00000242110.7	AMACR	0.147	3.835E-06	2.953E-03
ENSG00000104064.16	GABPB1	0.065	4.513E-06	3.317E-03
ENSG00000151655.18	ITIH2	0.339	4.714E-06	3.326E-03
ENSG00000081041.8	CXCL2	-0.473	7.400E-06	5.020E-03
ENSG00000106366.8	SERPINE1	-0.472	7.800E-06	5.096E-03
ENSG00000160183.13	TMPRSS3	-0.315	8.123E-06	5.117E-03
ENSG00000216490.3	IFI30	-0.424	1.097E-05	6.673E-03
ENSG00000196878.14	LAMB3	0.213	1.446E-05	8.500E-03
ENSG00000142089.15	IFITM3	-0.309	1.534E-05	8.729E-03
ENSG00000064300.8	NGFR	-0.365	1.866E-05	9.977E-03
ENSG00000121060.16	TRIM25	-0.12	1.846E-05	9.977E-03
ENSG00000280614.1	CH507-513H4.4	-0.761	2.128E-05	1.043E-02
ENSG00000280800.1	CH507-513H4.6	-0.761	2.128E-05	1.043E-02
ENSG00000281181.1	CH507-513H4.3	-0.761	2.128E-05	1.043E-02
ENSG00000124508.16	BTN2A2	-0.152	2.253E-05	1.074E-02
ENSG00000134013.15	LOXL2	-0.248	2.465E-05	1.144E-02
ENSG00000007908.15	SELE	-0.716	2.569E-05	1.162E-02
ENSG00000100626.16	GALNT16	-0.123	2.768E-05	1.221E-02
ENSG00000100292.16	HMOX1	-0.315	2.838E-05	1.221E-02
ENSG00000161929.14	SCIMP	-0.253	3.785E-05	1.402E-02
ENSG00000130589.16	HELZ2	-0.245	3.772E-05	1.402E-02
ENSG00000128591.15	FLNC	-0.2	3.703E-05	1.402E-02
ENSG00000163312.10	HELQ	0.064	3.564E-05	1.402E-02

ENSG00000119636.15	BBOF1	0.078	3.554E-05	1.402E-02
ENSG00000189042.13	ZNF567	0.084	3.815E-05	1.402E-02
ENSG00000172058.15	SERF1A	0.273	3.503E-05	1.402E-02
ENSG00000168803.14	ADAL	0.074	3.904E-05	1.405E-02
ENSG00000204388.6	HSPA1B	-0.333	4.423E-05	1.560E-02
ENSG00000184428.12	TOP1MT	-0.098	4.818E-05	1.659E-02
ENSG00000275835.4	TUBGCP5	0.083	4.908E-05	1.659E-02
ENSG00000109762.15	SNX25	0.092	4.984E-05	1.659E-02
ENSG00000174226.8	SNX31	-0.273	5.247E-05	1.683E-02
ENSG00000120533.12	ENY2	0.076	5.202E-05	1.683E-02
ENSG00000251503.8	APITD1-CORT	0.182	5.708E-05	1.798E-02
ENSG00000165507.8	C10orf10	-0.323	5.978E-05	1.850E-02
ENSG00000147872.9	PLIN2	-0.217	6.551E-05	1.882E-02
ENSG00000169131.11	ZNF354A	0.071	6.680E-05	1.882E-02
ENSG00000117262.18	GPR89A	0.076	6.723E-05	1.882E-02
ENSG00000272047.1	GTF2H5	0.087	6.402E-05	1.882E-02
ENSG00000008988.9	RPS20	0.108	6.518E-05	1.882E-02
ENSG00000187134.13	AKR1C1	0.131	6.642E-05	1.882E-02
ENSG00000005007.12	UPF1	-0.086	6.979E-05	1.923E-02
ENSG00000120910.14	PPP3CC	0.07	7.456E-05	2.012E-02
ENSG00000188729.6	OSTN	0.243	7.527E-05	2.012E-02
ENSG00000090339.8	ICAM1	-0.372	7.697E-05	2.026E-02
ENSG00000236841.7	AC007750.5	0.189	8.135E-05	2.110E-02
ENSG00000234338.1	RP11-797H7.1	-0.317	8.496E-05	2.139E-02
ENSG00000247081.7	RP11-318M2.2	-0.273	8.729E-05	2.139E-02
ENSG00000196924.14	FLNA	-0.166	8.639E-05	2.139E-02
ENSG00000145708.10	CRHBP	0.207	8.537E-05	2.139E-02
ENSG00000230202.1	RP11-632C17__A.1	-0.494	9.227E-05	2.199E-02
ENSG00000111647.12	UHRF1BP1L	0.083	9.175E-05	2.199E-02
ENSG00000185958.9	FAM186A	-0.275	9.366E-05	2.203E-02
ENSG00000125740.13	FOSB	-0.332	9.975E-05	2.315E-02
ENSG00000235033.7	RP11-61113.3	-0.243	1.014E-04	2.323E-02
ENSG00000122033.14	MTIF3	0.098	1.050E-04	2.375E-02
ENSG00000180914.10	OXTR	-0.234	1.104E-04	2.457E-02
ENSG00000155393.12	HEATR3	0.071	1.142E-04	2.457E-02
ENSG00000138777.19	PPA2	0.098	1.147E-04	2.457E-02
ENSG00000143387.12	CTSK	0.101	1.156E-04	2.457E-02
ENSG00000165629.19	ATP5C1	0.113	1.125E-04	2.457E-02
ENSG00000171490.12	RSL1D1	0.061	1.186E-04	2.487E-02
ENSG00000117906.13	RCN2	0.096	1.199E-04	2.487E-02
ENSG00000203855.7	RP4-599G15.1	-0.322	1.254E-04	2.543E-02
ENSG00000233670.6	PIRT	-0.294	1.253E-04	2.543E-02
ENSG00000113296.14	THBS4	-0.113	1.271E-04	2.547E-02
ENSG00000276855.1	CTD-3157E16.2	0.132	1.310E-04	2.597E-02
ENSG00000205682.2	RP11-798L4.1	-0.223	1.350E-04	2.616E-02

ENSG00000118257.16	NRP2	-0.082	1.348E-04	2.616E-02
ENSG00000196136.17	SERPINA3	-0.595	1.433E-04	2.691E-02
ENSG00000180878.2	C11orf42	-0.246	1.491E-04	2.691E-02
ENSG00000011422.11	PLAUR	-0.24	1.526E-04	2.691E-02
ENSG00000111331.12	OAS3	-0.208	1.479E-04	2.691E-02
ENSG00000107738.19	VSIR	-0.165	1.466E-04	2.691E-02
ENSG00000070366.13	SMG6	-0.083	1.516E-04	2.691E-02
ENSG00000127081.13	ZNF484	0.069	1.449E-04	2.691E-02
ENSG00000138190.16	EXOC6	0.086	1.503E-04	2.691E-02
ENSG00000138381.9	ASNSD1	0.105	1.498E-04	2.691E-02
ENSG00000259479.6	CTD-2008A1.2	-0.45	1.664E-04	2.883E-02
ENSG00000174442.11	ZWILCH	0.121	1.684E-04	2.883E-02
ENSG00000241563.3	CORT	0.24	1.683E-04	2.883E-02
ENSG00000109775.10	UFSP2	0.094	1.725E-04	2.926E-02
ENSG00000235478.4	AC006946.15	0.161	1.759E-04	2.954E-02
ENSG00000271806.1	RP5-892K4.1	-0.323	1.959E-04	2.995E-02
ENSG00000244161.1	RP11-456N14.2	-0.263	1.912E-04	2.995E-02
ENSG00000198618.5	PPIAL3	-0.215	1.950E-04	2.995E-02
ENSG00000167553.15	TUBA1C	-0.209	2.002E-04	2.995E-02
ENSG00000122863.5	CHST3	-0.184	1.838E-04	2.995E-02
ENSG00000135926.14	TMBIM1	-0.18	1.949E-04	2.995E-02
ENSG00000182541.17	LIMK2	-0.178	1.933E-04	2.995E-02
ENSG00000008394.12	MGST1	-0.176	1.998E-04	2.995E-02
ENSG00000213859.4	KCTD11	-0.141	1.860E-04	2.995E-02
ENSG00000140830.8	TXNL4B	-0.095	1.902E-04	2.995E-02
ENSG00000163093.11	BBS5	0.053	1.827E-04	2.995E-02
ENSG00000168538.15	TRAPPC11	0.058	1.995E-04	2.995E-02
ENSG00000087302.8	C14orf166	0.077	2.020E-04	2.995E-02
ENSG00000180228.12	PRKRA	0.086	2.006E-04	2.995E-02
ENSG00000225725.4	FAM66E	-0.33	2.087E-04	2.995E-02
ENSG00000165806.19	CASP7	-0.155	2.088E-04	2.995E-02
ENSG00000256061.7	DYX1C1	0.121	2.063E-04	2.995E-02
ENSG00000176697.18	BDNF	0.205	2.049E-04	2.995E-02
ENSG00000168394.10	TAP1	-0.169	2.144E-04	3.050E-02
ENSG00000110075.14	PPP6R3	0.046	2.255E-04	3.138E-02
ENSG00000175054.14	ATR	0.056	2.260E-04	3.138E-02
ENSG00000064199.6	SPA17	0.109	2.252E-04	3.138E-02
ENSG00000159403.15	C1R	-0.193	2.343E-04	3.229E-02
ENSG00000128274.15	A4GALT	-0.226	2.363E-04	3.231E-02
ENSG00000177054.13	ZDHHC13	0.07	2.437E-04	3.306E-02
ENSG00000162772.16	ATF3	-0.293	2.465E-04	3.319E-02
ENSG00000134864.10	GGACT	-0.111	2.510E-04	3.354E-02
ENSG00000176014.12	TUBB6	-0.191	2.583E-04	3.369E-02
ENSG00000177674.15	AGTRAP	-0.15	2.554E-04	3.369E-02
ENSG00000161800.12	RACGAP1	0.069	2.563E-04	3.369E-02

ENSG00000124541.6	RRP36	0.09	2.604E-04	3.369E-02
ENSG00000222041.10	CYTOR	0.113	2.616E-04	3.369E-02
ENSG00000064205.10	WISP2	-0.237	2.715E-04	3.420E-02
ENSG00000143382.14	ADAMTSL4	-0.219	2.696E-04	3.420E-02
ENSG00000137496.17	IL18BP	-0.176	2.773E-04	3.420E-02
ENSG00000149131.15	SERPING1	-0.15	2.751E-04	3.420E-02
ENSG00000144935.14	TRPC1	0.071	2.765E-04	3.420E-02
ENSG00000123610.4	TNFAIP6	0.226	2.698E-04	3.420E-02
ENSG00000095485.17	CWF19L1	0.073	2.800E-04	3.430E-02
ENSG00000197249.13	SERPINA1	-0.337	2.935E-04	3.457E-02
ENSG00000034239.10	EFCAB1	-0.198	2.928E-04	3.457E-02
ENSG00000011566.14	MAP4K3	0.061	2.940E-04	3.457E-02
ENSG00000144741.17	SLC25A26	0.091	2.933E-04	3.457E-02
ENSG00000119698.11	PPP4R4	0.121	2.882E-04	3.457E-02
ENSG00000269897.5	COMMD3-BMI1	0.208	2.849E-04	3.457E-02
ENSG00000230133.1	RP5-1100I6.2	0.191	2.966E-04	3.465E-02
ENSG00000219481.10	NBPF1	-0.105	3.024E-04	3.510E-02
ENSG00000245025.2	RP11-875O11.1	-0.196	3.056E-04	3.523E-02
ENSG00000143194.12	MAEL	0.14	3.116E-04	3.569E-02
ENSG00000132002.7	DNAJB1	-0.242	3.137E-04	3.570E-02
ENSG00000242687.2	—	-0.162	3.185E-04	3.602E-02
ENSG00000041357.15	PSMA4	0.1	3.219E-04	3.617E-02
ENSG00000224117.1	RP11-550P23.5	-0.3	3.257E-04	3.627E-02
ENSG00000143545.8	RAB13	-0.165	3.270E-04	3.627E-02
ENSG00000229544.8	NKX1-2	0.161	3.336E-04	3.678E-02
ENSG00000228549.3	RP11-108M9.3	-0.359	3.381E-04	3.681E-02
ENSG00000138686.9	BBS7	0.083	3.372E-04	3.681E-02
ENSG00000116783.14	TNNI3K	0.098	3.419E-04	3.699E-02
ENSG00000197372.9	ZNF675	0.065	3.493E-04	3.734E-02
ENSG00000164466.12	SFXN1	0.073	3.489E-04	3.734E-02
ENSG00000184719.11	RNLS	0.064	3.524E-04	3.745E-02
ENSG00000121039.9	RDH10	-0.166	3.570E-04	3.771E-02
ENSG00000135245.9	HILPDA	-0.302	3.656E-04	3.788E-02
ENSG00000166188.2	ZNF319	-0.086	3.646E-04	3.788E-02
ENSG00000112425.14	EPM2A	0.062	3.651E-04	3.788E-02
ENSG00000235421.1	RP11-667F9.1	0.301	3.672E-04	3.788E-02
ENSG00000154719.13	MRPL39	0.073	3.742E-04	3.837E-02
ENSG00000164414.17	SLC35A1	0.069	3.847E-04	3.914E-02
ENSG00000151632.17	AKR1C2	0.15	3.861E-04	3.914E-02
ENSG00000198732.10	SMOC1	-0.136	3.925E-04	3.956E-02
ENSG00000115107.19	STEAP3	-0.193	3.958E-04	3.967E-02
ENSG00000187498.14	COL4A1	-0.195	4.084E-04	4.025E-02
ENSG00000198468.7	FLVCR1-AS1	0.185	4.065E-04	4.025E-02
ENSG00000163395.16	IGFN1	0.249	4.074E-04	4.025E-02
ENSG00000105355.8	PLIN3	-0.156	4.238E-04	4.065E-02

ENSG00000171109.18	MFN1	0.051	4.232E-04	4.065E-02
ENSG00000122512.14	PMS2	0.059	4.212E-04	4.065E-02
ENSG00000042317.16	SPATA7	0.083	4.241E-04	4.065E-02
ENSG00000104671.7	DCTN6	0.092	4.167E-04	4.065E-02
ENSG00000170667.14	RASA4B	-0.155	4.307E-04	4.107E-02
ENSG00000078070.12	MCCC1	0.053	4.398E-04	4.149E-02
ENSG00000152413.14	HOMER1	0.108	4.377E-04	4.149E-02
ENSG00000197747.8	S100A10	-0.198	4.534E-04	4.168E-02
ENSG00000144908.13	ALDH1L1	-0.138	4.536E-04	4.168E-02
ENSG00000075234.16	TTC38	-0.127	4.515E-04	4.168E-02
ENSG00000110768.11	GTF2H1	0.082	4.500E-04	4.168E-02
ENSG00000006128.11	TAC1	0.23	4.495E-04	4.168E-02
ENSG00000071994.10	PDCD2	0.063	4.598E-04	4.189E-02
ENSG00000184924.5	PTRHD1	0.098	4.608E-04	4.189E-02
ENSG00000206560.11	ANKRD28	0.051	4.651E-04	4.207E-02
ENSG00000105186.15	ANKRD27	0.048	4.688E-04	4.219E-02
ENSG00000138794.9	CASP6	-0.132	4.865E-04	4.295E-02
ENSG00000117569.18	PTBP2	0.07	4.825E-04	4.295E-02
ENSG00000170860.3	LSM3	0.105	4.858E-04	4.295E-02
ENSG00000186162.10	CIDECP	0.111	4.870E-04	4.295E-02
ENSG00000261701.6	HPR	-0.267	4.895E-04	4.296E-02
ENSG00000162777.16	DENND2D	-0.167	4.962E-04	4.321E-02
ENSG00000134900.11	TPP2	0.05	4.973E-04	4.321E-02
ENSG00000257894.2	RP1-78O14.1	-0.33	5.149E-04	4.375E-02
ENSG00000196169.14	KIF19	-0.287	5.159E-04	4.375E-02
ENSG00000260555.1	RP11-728K20.2	-0.269	5.126E-04	4.375E-02
ENSG00000135697.9	BCO1	-0.216	5.136E-04	4.375E-02
ENSG00000186594.14	MIR22HG	0.134	5.113E-04	4.375E-02
ENSG00000184319.15	AC002055.4	0.078	5.245E-04	4.427E-02
ENSG00000271254.6	LOC102724250	-0.117	5.324E-04	4.472E-02
ENSG00000226746.2	SMCR5	-0.226	5.547E-04	4.507E-02
ENSG00000106258.13	CYP3A5	-0.166	5.562E-04	4.507E-02
ENSG00000168255.19	POLR2J3	-0.143	5.541E-04	4.507E-02
ENSG00000105939.12	ZC3HAV1	-0.132	5.421E-04	4.507E-02
ENSG00000179409.10	GEMIN4	-0.069	5.589E-04	4.507E-02
ENSG00000166454.9	ATMIN	0.066	5.516E-04	4.507E-02
ENSG00000122643.18	NT5C3A	0.084	5.555E-04	4.507E-02
ENSG00000213920.8	MDP1	0.144	5.596E-04	4.507E-02
ENSG00000246363.2	RP11-13A1.1	0.152	5.416E-04	4.507E-02
ENSG00000185608.8	MRPL40	0.08	5.641E-04	4.523E-02
ENSG00000118785.13	SPP1	-0.308	5.745E-04	4.550E-02
ENSG00000103257.8	SLC7A5	-0.114	5.778E-04	4.550E-02
ENSG00000157800.17	SLC37A3	0.06	5.738E-04	4.550E-02
ENSG00000261652.2	C15orf65	0.122	5.770E-04	4.550E-02
ENSG00000010322.15	NISCH	-0.073	5.916E-04	4.594E-02

ENSG00000162929.13	KIAA1841	0.061	5.938E-04	4.594E-02
ENSG00000111906.17	HDDC2	0.073	5.906E-04	4.594E-02
ENSG00000004897.11	CDC27	0.083	5.873E-04	4.594E-02
ENSG00000215867.4	RP4-773A18.2	-0.256	6.053E-04	4.663E-02
ENSG00000215256.3	DHRS4-AS1	0.108	6.126E-04	4.698E-02

Event 3 (SRRM2)

	Symbol	logFC	PValue	FDR
ENSG00000237973.1	RP5-857K21.6	1.521	1.994E-15	3.166E-11
ENSG00000187951.10	LOC100288637	1.245	1.311E-13	1.041E-09
ENSG00000262074.6	SNORD3B-2	-1.237	1.348E-10	7.136E-07
ENSG00000140263.13	SORD	-0.238	2.424E-10	9.624E-07
ENSG00000180398.11	MCFD2	-0.175	8.176E-10	2.597E-06
ENSG00000259479.6	CTD-2008A1.2	1.415	6.917E-09	1.824E-05
ENSG00000247516.6	RP11-480D4.3	-0.297	8.038E-09	1.824E-05
ENSG00000178921.13	PFAS	0.149	1.476E-08	2.930E-05
ENSG00000169429.10	CXCL8	1.596	1.760E-08	3.105E-05
ENSG00000215908.10	CROCCP2	0.293	2.388E-08	3.791E-05
ENSG00000090339.8	ICAM1	1.017	2.937E-08	3.887E-05
ENSG00000270607.1	RP11-359E10.1	-0.237	2.719E-08	3.887E-05
ENSG00000248527.1	RP5-857K21.10	0.637	3.622E-08	4.425E-05
ENSG00000196312.12	MFSD14C	-0.297	3.997E-08	4.533E-05
ENSG00000272398.5	CD24	1.029	5.600E-08	5.928E-05
ENSG00000188611.14	ASAH2	-0.472	6.146E-08	6.100E-05
ENSG00000254726.2	MEX3A	0.770	1.256E-07	1.173E-04
ENSG00000215256.3	DHRS4-AS1	-0.317	1.380E-07	1.217E-04
ENSG00000225972.1	RP5-857K21.9	1.844	2.886E-07	2.412E-04
ENSG00000213920.8	MDP1	-0.261	4.206E-07	3.339E-04
ENSG00000225725.4	FAM66E	0.968	5.492E-07	3.792E-04
ENSG00000246375.2	RP11-10L7.1	0.786	5.443E-07	3.792E-04
ENSG00000125656.8	CLPP	0.161	5.250E-07	3.792E-04
ENSG00000185215.8	TNFAIP2	0.438	5.902E-07	3.905E-04
ENSG00000155660.10	PDIA4	0.235	6.455E-07	4.100E-04
ENSG00000162490.6	DRAXIN	0.980	7.635E-07	4.377E-04
ENSG00000137801.10	THBS1	0.930	7.370E-07	4.377E-04
ENSG00000276855.1	CTD-3157E16.2	-0.291	7.718E-07	4.377E-04
ENSG00000107951.14	MTPAP	-0.132	8.177E-07	4.477E-04
ENSG00000170667.14	RASA4B	0.347	9.252E-07	4.898E-04
ENSG00000196136.17	SERPINA3	1.559	9.886E-07	5.064E-04
ENSG00000239306.4	RBM14	0.140	1.117E-06	5.219E-04
ENSG00000224877.3	C17orf89	-0.178	1.073E-06	5.219E-04
ENSG00000114547.9	ROPN1B	-0.347	1.099E-06	5.219E-04
ENSG00000168038.10	ULK4	0.223	1.152E-06	5.226E-04
ENSG00000115267.5	IFIH1	0.353	1.224E-06	5.399E-04
ENSG00000231887.6	PRH1	0.355	1.393E-06	5.821E-04
ENSG00000148296.6	SURF6	0.117	1.363E-06	5.821E-04
ENSG00000119283.15	TRIM67	0.697	1.554E-06	6.328E-04
ENSG00000183935.5	RP11-392P7.3	-0.239	1.952E-06	7.748E-04
ENSG00000169432.14	SCN9A	0.516	2.480E-06	9.375E-04
ENSG00000140830.8	TXNL4B	0.273	2.473E-06	9.375E-04
ENSG00000077943.7	ITGA8	0.261	2.555E-06	9.437E-04
ENSG00000034239.10	EFCAB1	0.474	3.207E-06	1.157E-03
ENSG00000254682.1	RP11-660L16.2	-0.569	3.862E-06	1.363E-03

ENSG00000168803.14	ADAL	-0.148	3.980E-06	1.374E-03
ENSG00000275395.5	FCGBP	0.828	4.325E-06	1.452E-03
ENSG00000275026.1	RP11-15E1.1	0.387	4.663E-06	1.452E-03
ENSG00000168255.19	POLR2J3	0.290	4.493E-06	1.452E-03
ENSG00000106853.18	PTGR1	0.194	4.613E-06	1.452E-03
ENSG00000261737.1	RP4-612B15.3	-0.240	4.541E-06	1.452E-03
ENSG00000126709.14	IFI6	0.320	5.028E-06	1.535E-03
ENSG00000111906.17	HDDC2	-0.183	5.494E-06	1.646E-03
ENSG00000204389.9	HSPA1A	0.819	6.286E-06	1.822E-03
ENSG00000242110.7	AMACR	-0.228	6.424E-06	1.822E-03
ENSG00000274642.1	CH17-472G23.1	-0.568	6.372E-06	1.822E-03
ENSG00000263244.2	RP11-473I1.9	-0.155	6.984E-06	1.912E-03
ENSG00000144741.17	SLC25A26	-0.163	6.888E-06	1.912E-03
ENSG00000108592.16	FTSJ3	0.142	9.532E-06	2.566E-03
ENSG00000124508.16	BTN2A2	0.309	1.131E-05	2.993E-03
ENSG00000169836.4	TACR3	0.366	1.151E-05	2.997E-03
ENSG00000083444.16	PLOD1	0.210	1.192E-05	3.052E-03
ENSG00000142089.15	IFITM3	0.565	1.315E-05	3.164E-03
ENSG00000183287.13	CCBE1	0.475	1.260E-05	3.164E-03
ENSG00000176593.7	CTD-2368P22.1	0.253	1.313E-05	3.164E-03
ENSG00000165661.16	QSOX2	0.105	1.283E-05	3.164E-03
ENSG00000101188.4	NTSR1	0.527	1.348E-05	3.194E-03
ENSG00000116096.5	SPR	0.299	1.413E-05	3.299E-03
ENSG00000272189.1	RP3-325F22.5	0.260	1.509E-05	3.378E-03
ENSG00000246089.3	RP11-115C21.2	0.195	1.476E-05	3.378E-03
ENSG00000101150.17	TPD52L2	0.097	1.510E-05	3.378E-03
ENSG00000231784.8	DBIL5P	0.256	1.961E-05	4.325E-03
ENSG00000110172.11	CHORDC1	0.322	2.007E-05	4.335E-03
ENSG00000267060.5	PTGES3L	-0.227	2.020E-05	4.335E-03
ENSG00000205918.9	PDPK2P	0.401	2.051E-05	4.343E-03
ENSG00000233476.3	AC002480.6	0.396	2.196E-05	4.541E-03
ENSG00000168434.12	COG7	0.096	2.202E-05	4.541E-03
ENSG00000279557.1	CTD-2210P15.3	0.362	2.279E-05	4.640E-03
ENSG00000181444.12	ZNF467	-0.279	2.757E-05	5.541E-03
ENSG00000277938.1	RP5-965G21.3	0.314	2.862E-05	5.681E-03
ENSG00000143374.16	TARS2	0.107	2.955E-05	5.793E-03
ENSG00000125551.18	PLGLB2	0.521	3.003E-05	5.816E-03
ENSG00000236841.7	AC007750.5	-0.406	3.071E-05	5.876E-03
ENSG00000187688.14	TRPV2	-0.337	3.169E-05	5.991E-03
ENSG00000184428.12	TOP1MT	0.157	3.256E-05	6.013E-03
ENSG00000148516.21	ZEB1	-0.081	3.222E-05	6.013E-03
ENSG00000232229.5	RP11-248C1.2	0.370	3.532E-05	6.448E-03
ENSG00000114805.16	PLCH1	0.177	3.651E-05	6.531E-03
ENSG00000105053.10	VRK3	0.072	3.661E-05	6.531E-03
ENSG00000113396.12	SLC27A6	0.734	3.837E-05	6.721E-03

ENSG00000149346.14	SLX4IP	0.105	3.907E-05	6.721E-03
ENSG00000197785.13	ATAD3A	-0.122	3.894E-05	6.721E-03
ENSG00000204136.10	GGTA1P	-0.218	3.936E-05	6.721E-03
ENSG00000219481.10	NBPF1	0.216	4.027E-05	6.732E-03
ENSG00000162482.4	AKR7A3	-0.271	4.009E-05	6.732E-03
ENSG00000126953.5	TIMM8A	-0.135	4.446E-05	7.354E-03
ENSG00000103494.12	RPGRIP1L	0.126	4.593E-05	7.519E-03
ENSG00000116830.11	TTF2	0.213	4.738E-05	7.678E-03
ENSG00000160862.12	AZGP1	0.609	5.077E-05	8.139E-03
ENSG00000197728.9	RPS26	0.278	5.177E-05	8.139E-03
ENSG00000160949.16	TONSL	0.185	5.128E-05	8.139E-03
ENSG00000111850.10	SMIM8	0.119	5.313E-05	8.271E-03
ENSG00000120337.8	TNFSF18	0.352	5.425E-05	8.284E-03
ENSG00000196922.10	ZNF252P	0.119	5.387E-05	8.284E-03
ENSG00000070495.14	JMJD6	0.188	5.928E-05	8.815E-03
ENSG00000112584.13	FAM120B	0.074	5.936E-05	8.815E-03
ENSG00000273253.2	RP3-402G11.26	-0.290	5.939E-05	8.815E-03
ENSG00000188130.13	MAPK12	-0.135	6.251E-05	9.192E-03
ENSG00000176887.6	SOX11	0.683	6.670E-05	9.569E-03
ENSG00000042429.11	MED17	0.094	6.655E-05	9.569E-03
ENSG00000130939.18	UBE4B	0.078	6.749E-05	9.569E-03
ENSG00000131941.7	RHPN2	-0.291	6.689E-05	9.569E-03
ENSG00000103671.9	TRIP4	0.089	6.867E-05	9.650E-03
ENSG00000272977.1	CTA-390C10.10	-0.568	7.349E-05	1.024E-02
ENSG00000180198.15	RCC1	0.206	7.437E-05	1.027E-02
ENSG00000170364.12	SETMAR	0.085	7.624E-05	1.044E-02
ENSG00000273151.1	RP11-449P15.2	0.394	7.873E-05	1.050E-02
ENSG00000128699.13	ORMDL1	0.086	7.840E-05	1.050E-02
ENSG00000109775.10	UFSP2	-0.128	7.999E-05	1.050E-02
ENSG00000256806.5	C17orf100	-0.132	7.955E-05	1.050E-02
ENSG00000248866.1	CTD-2314I6.1	-0.159	7.854E-05	1.050E-02
ENSG00000091428.17	RAPGEF4	-0.177	8.210E-05	1.069E-02
ENSG00000103363.14	ELOB	0.316	8.279E-05	1.069E-02
ENSG00000132330.16	SCLY	0.116	8.689E-05	1.108E-02
ENSG00000204219.9	TCEA3	-0.263	8.724E-05	1.108E-02
ENSG00000113272.13	THG1L	0.131	8.803E-05	1.109E-02
ENSG00000228696.8	ARL17B	0.270	8.908E-05	1.114E-02
ENSG00000140557.11	ST8SIA2	0.908	9.467E-05	1.160E-02
ENSG00000111331.12	OAS3	0.382	9.598E-05	1.160E-02
ENSG00000162620.15	LRRIQ3	0.320	9.682E-05	1.160E-02
ENSG00000179935.9	RP5-1068E13.3	0.188	9.607E-05	1.160E-02
ENSG00000114988.11	LMAN2L	0.139	9.791E-05	1.160E-02
ENSG00000128294.15	TPST2	-0.131	9.785E-05	1.160E-02
ENSG00000235092.5	AC011747.7	-0.264	9.356E-05	1.160E-02
ENSG00000173272.15	MZT2A	-0.160	1.022E-04	1.194E-02

ENSG00000095303.14	PTGS1	-0.347	1.015E-04	1.194E-02
ENSG00000261377.5	RP11-578F21.12	-0.318	1.033E-04	1.197E-02
ENSG00000100626.16	GALNT16	0.149	1.043E-04	1.200E-02
ENSG00000272514.5	CFAP206	0.154	1.051E-04	1.200E-02
ENSG00000163913.11	IFT122	-0.127	1.088E-04	1.234E-02
ENSG00000232063.1	RP11-307E17.8	0.365	1.097E-04	1.235E-02
ENSG00000215374.5	RP11-1195F20.2	-0.410	1.112E-04	1.244E-02
ENSG00000271254.6	LOC102724250	0.235	1.132E-04	1.257E-02
ENSG00000108786.10	HSD17B1	0.329	1.170E-04	1.273E-02
ENSG00000183250.11	C21orf67	-0.205	1.157E-04	1.273E-02
ENSG00000150175.13	FRMPD2L2	-0.405	1.164E-04	1.273E-02
ENSG00000204869.8	IGFL4	0.274	1.209E-04	1.306E-02
ENSG00000150756.13	FAM173B	0.137	1.225E-04	1.306E-02
ENSG00000147804.9	SLC39A4	-0.267	1.219E-04	1.306E-02
ENSG00000087116.14	ADAMTS2	0.329	1.242E-04	1.315E-02
ENSG00000250241.5	RP11-9G1.3	0.159	1.263E-04	1.325E-02
ENSG00000122912.14	SLC25A16	-0.069	1.268E-04	1.325E-02
ENSG00000164414.17	SLC35A1	-0.093	1.277E-04	1.326E-02
ENSG00000134815.18	DHX34	0.175	1.327E-04	1.368E-02
ENSG00000248275.1	CTC-338M12.3	-0.202	1.339E-04	1.369E-02
ENSG00000187824.8	TMEM220	-0.271	1.345E-04	1.369E-02
ENSG00000104960.15	PTOV1	0.091	1.362E-04	1.373E-02
ENSG00000163395.16	IGFN1	-0.399	1.366E-04	1.373E-02
ENSG00000168542.14	COL3A1	0.835	1.389E-04	1.378E-02
ENSG00000168439.16	STIP1	0.164	1.387E-04	1.378E-02
ENSG00000008128.22	CDK11A	0.193	1.417E-04	1.398E-02
ENSG00000166831.8	RBPMS2	0.265	1.485E-04	1.438E-02
ENSG00000125534.9	PPDPF	0.170	1.473E-04	1.438E-02
ENSG00000156076.9	WIF1	-0.398	1.483E-04	1.438E-02
ENSG00000106211.8	HSPB1	0.551	1.494E-04	1.438E-02
ENSG00000170876.7	TMEM43	0.088	1.523E-04	1.448E-02
ENSG00000065621.14	GSTO2	-0.212	1.520E-04	1.448E-02
ENSG00000150361.11	KLHL1	0.567	1.593E-04	1.484E-02
ENSG00000254685.6	FPGT	0.145	1.581E-04	1.484E-02
ENSG00000152620.12	NADK2	-0.113	1.598E-04	1.484E-02
ENSG00000179277.9	MEIS3P1	-0.248	1.594E-04	1.484E-02
ENSG00000148600.14	CDHR1	0.192	1.640E-04	1.514E-02
ENSG00000270580.5	RP11-1186N24.5	0.308	1.653E-04	1.517E-02
ENSG00000175538.10	KCNE3	-0.299	1.697E-04	1.549E-02
ENSG00000105559.11	PLEKHA4	0.399	1.771E-04	1.607E-02
ENSG00000234585.6	CCT6P3	0.293	1.819E-04	1.641E-02
ENSG00000261716.1	RP11-196G18.22	0.273	1.831E-04	1.643E-02
ENSG00000196159.11	FAT4	0.337	1.860E-04	1.659E-02
ENSG00000183506.17	PI4KAP2	0.210	1.894E-04	1.671E-02
ENSG00000002745.12	WNT16	-0.210	1.890E-04	1.671E-02

ENSG00000057468.6	MSH4	0.346	1.949E-04	1.680E-02
ENSG00000188659.9	FAM154B	0.285	1.957E-04	1.680E-02
ENSG00000279778.1	RP11-60A14.1	0.274	1.929E-04	1.680E-02
ENSG00000011295.15	TTC19	-0.104	1.936E-04	1.680E-02
ENSG00000187630.15	DHRS4L2	-0.246	1.926E-04	1.680E-02
ENSG00000112763.15	BTN2A1	0.090	1.968E-04	1.680E-02
ENSG00000099377.13	HSD3B7	0.282	1.998E-04	1.697E-02
ENSG00000242687.2	—	0.286	2.125E-04	1.795E-02
ENSG00000263412.1	RP5-890E16.2	0.296	2.158E-04	1.813E-02
ENSG00000227398.3	RP11-447D11.2	0.186	2.182E-04	1.816E-02
ENSG00000196597.11	ZNF782	0.155	2.196E-04	1.816E-02
ENSG00000197157.10	SND1	0.064	2.189E-04	1.816E-02
ENSG00000246695.7	RP11-877E17.2	-0.128	2.232E-04	1.836E-02
ENSG00000067596.10	DHX8	0.051	2.249E-04	1.841E-02
ENSG00000187535.13	IFT140	0.090	2.285E-04	1.861E-02
ENSG00000182366.9	RP11-63E5.8	-0.351	2.320E-04	1.879E-02
ENSG00000284610.1	RP11-481A20.11	-0.236	2.336E-04	1.883E-02
ENSG00000275160.1	RP11-187C18.3	0.264	2.397E-04	1.913E-02
ENSG00000198795.10	ZNF521	-0.129	2.396E-04	1.913E-02
ENSG00000110047.17	EHD1	0.132	2.477E-04	1.967E-02
ENSG00000261701.6	HPR	0.580	2.527E-04	1.980E-02
ENSG00000023445.13	BIRC3	0.268	2.509E-04	1.980E-02
ENSG00000165632.7	TAF3	0.075	2.544E-04	1.980E-02
ENSG00000228484.1	RP11-106M7.1	-0.354	2.532E-04	1.980E-02
ENSG00000077150.18	NFKB2	0.384	2.593E-04	1.989E-02
ENSG00000145014.17	TMEM44	0.175	2.591E-04	1.989E-02
ENSG00000277053.4	GTF2IP1	0.126	2.586E-04	1.989E-02
ENSG00000177465.4	ACOT4	-0.213	2.608E-04	1.991E-02
ENSG00000065978.18	YBX1	0.327	2.647E-04	2.005E-02
ENSG00000164291.16	ARSK	0.134	2.652E-04	2.005E-02
ENSG00000132744.7	ACY3	-0.586	2.670E-04	2.010E-02
ENSG00000117009.11	KMO	-0.217	2.714E-04	2.033E-02
ENSG00000108821.13	COL1A1	0.795	2.839E-04	2.046E-02
ENSG00000247081.7	RP11-318M2.2	0.553	2.789E-04	2.046E-02
ENSG00000185507.19	IRF7	0.409	2.828E-04	2.046E-02
ENSG00000214189.8	ZNF788	0.248	2.847E-04	2.046E-02
ENSG00000163468.14	CCT3	0.098	2.810E-04	2.046E-02
ENSG00000107745.18	MICU1	0.070	2.771E-04	2.046E-02
ENSG00000120533.12	ENY2	-0.084	2.843E-04	2.046E-02
ENSG00000158122.11	AAED1	-0.111	2.755E-04	2.046E-02
ENSG00000254635.5	RP11-164A7.1	-0.113	2.792E-04	2.046E-02
ENSG00000197249.13	SERPINA1	0.622	2.889E-04	2.067E-02
ENSG00000110660.14	SLC35F2	0.182	2.903E-04	2.067E-02
ENSG00000113269.13	RNF130	0.111	2.966E-04	2.093E-02
ENSG00000243902.6	RP1-63G5.5	-0.270	2.954E-04	2.093E-02

ENSG00000240342.3	RPS2P5	0.323	3.008E-04	2.113E-02
ENSG00000130208.9	APOC1	-0.373	3.087E-04	2.159E-02
ENSG00000263142.5	RP11-156P1.1	0.350	3.132E-04	2.172E-02
ENSG00000139537.10	CCDC65	0.207	3.126E-04	2.172E-02
ENSG00000278705.1	HIST1H4B	0.283	3.155E-04	2.179E-02
ENSG00000227502.2	RP1-249H1.4	-0.410	3.184E-04	2.189E-02
ENSG00000125347.13	IRF1	0.556	3.231E-04	2.195E-02
ENSG00000182973.18	CNOT10	0.065	3.216E-04	2.195E-02
ENSG00000175772.10	AC112229.7	-0.253	3.234E-04	2.195E-02
ENSG00000117228.9	GBP1	0.660	3.280E-04	2.198E-02
ENSG00000134463.14	ECHDC3	0.283	3.271E-04	2.198E-02
ENSG00000119900.7	OGFRL1	-0.128	3.268E-04	2.198E-02
ENSG00000160917.14	CPSF4	0.092	3.396E-04	2.264E-02
ENSG00000253741.1	CTD-2292P10.4	-0.182	3.408E-04	2.264E-02
ENSG00000143258.15	USP21	0.083	3.462E-04	2.291E-02
ENSG00000137822.12	TUBGCP4	0.101	3.486E-04	2.297E-02
ENSG00000100014.19	SPECC1L	0.072	3.560E-04	2.336E-02
ENSG00000143494.15	VASH2	0.351	3.603E-04	2.345E-02
ENSG00000106404.13	CLDN15	0.303	3.594E-04	2.345E-02
ENSG00000267248.1	CTD-2319I12.4	0.177	3.632E-04	2.354E-02
ENSG00000273381.1	RP11-305L7.7	0.326	3.682E-04	2.377E-02
ENSG00000054219.10	LY75	-0.329	3.707E-04	2.383E-02
ENSG00000161981.10	SNRNP25	-0.140	3.914E-04	2.496E-02
ENSG00000255346.9	NOX5	-0.440	3.911E-04	2.496E-02
ENSG00000106397.11	PLOD3	0.293	3.940E-04	2.502E-02
ENSG00000260793.2	RP5-882C2.2	-0.210	4.030E-04	2.550E-02
ENSG00000173442.12	EHBP1L1	-0.145	4.075E-04	2.568E-02
ENSG00000171243.7	SOSTDC1	0.279	4.130E-04	2.593E-02
ENSG00000130748.6	TMEM160	-0.154	4.306E-04	2.692E-02
ENSG00000074803.17	SLC12A1	0.391	4.354E-04	2.712E-02
ENSG00000175183.9	CSRP2	0.325	4.479E-04	2.737E-02
ENSG00000226752.9	RP11-27I1.2	0.227	4.484E-04	2.737E-02
ENSG00000048028.11	USP28	0.142	4.498E-04	2.737E-02
ENSG00000221886.3	ZBED8	0.142	4.497E-04	2.737E-02
ENSG00000185122.10	HSF1	0.081	4.459E-04	2.737E-02
ENSG00000103154.9	NECAB2	-0.222	4.461E-04	2.737E-02
ENSG00000173933.19	RBM4	0.089	4.544E-04	2.739E-02
ENSG00000005007.12	UPF1	0.089	4.554E-04	2.739E-02
ENSG00000227811.2	RP4-773A18.4	-0.204	4.536E-04	2.739E-02
ENSG00000172530.20	BANP	0.151	4.601E-04	2.757E-02
ENSG00000095383.19	TBC1D2	0.313	4.709E-04	2.798E-02
ENSG00000185666.14	SYN3	0.189	4.722E-04	2.798E-02
ENSG00000175221.14	MED16	0.084	4.723E-04	2.798E-02
ENSG00000156219.16	ART3	0.218	4.770E-04	2.816E-02
ENSG00000179632.9	MAF1	0.084	4.918E-04	2.892E-02

ENSG00000011132.11	APBA3	0.158	5.011E-04	2.925E-02
ENSG00000070061.14	IKBKAP	0.085	5.008E-04	2.925E-02
ENSG00000175029.16	CTBP2	0.080	5.094E-04	2.963E-02
ENSG00000177640.15	CASC2	-0.099	5.231E-04	3.021E-02
ENSG00000136869.13	TLR4	-0.253	5.221E-04	3.021E-02
ENSG00000185842.15	DNAH14	0.131	5.256E-04	3.024E-02
ENSG00000154079.5	SDHAF4	-0.170	5.289E-04	3.032E-02
ENSG00000197747.8	S100A10	0.324	5.341E-04	3.051E-02
ENSG00000250091.2	DNAH10OS	0.198	5.376E-04	3.053E-02
ENSG00000134255.13	CEPT1	0.099	5.417E-04	3.053E-02
ENSG00000171772.16	SYCE1	-0.280	5.422E-04	3.053E-02
ENSG00000279656.1	RP11-298I3.6	-0.664	5.419E-04	3.053E-02
ENSG00000176124.11	DLEU1	0.169	5.448E-04	3.057E-02
ENSG00000106624.10	AEBP1	0.313	5.545E-04	3.066E-02
ENSG00000142002.16	DPP9	0.084	5.545E-04	3.066E-02
ENSG00000180902.17	D2HGDH	-0.130	5.496E-04	3.066E-02
ENSG00000131885.16	KRT17P1	-0.347	5.560E-04	3.066E-02
ENSG00000103226.17	NOMO3	-0.400	5.511E-04	3.066E-02
ENSG00000180828.2	BHLHE22	0.446	5.614E-04	3.074E-02
ENSG00000153936.16	HS2ST1	-0.087	5.599E-04	3.074E-02
ENSG00000105771.13	SMG9	0.083	5.734E-04	3.086E-02
ENSG00000101040.19	ZMYND8	0.078	5.701E-04	3.086E-02
ENSG00000277462.1	ZNF670	-0.104	5.663E-04	3.086E-02
ENSG00000271474.1	RP11-710C12.1	-0.137	5.718E-04	3.086E-02
ENSG00000213203.2	GIMAP1	-0.289	5.723E-04	3.086E-02
ENSG00000197653.15	DNAH10	0.340	5.877E-04	3.150E-02
ENSG00000126226.21	PCID2	0.103	5.891E-04	3.150E-02
ENSG00000105519.15	CAPS	0.227	5.955E-04	3.174E-02
ENSG00000131381.12	RBSN	-0.065	6.014E-04	3.194E-02
ENSG00000183508.4	FAM46C	0.335	6.264E-04	3.305E-02
ENSG00000213088.9	ACKR1	-0.299	6.246E-04	3.305E-02
ENSG00000203805.10	PLPP4	0.229	6.309E-04	3.317E-02
ENSG00000150347.14	ARID5B	0.096	6.377E-04	3.333E-02
ENSG00000198944.5	SOWAHA	-0.196	6.381E-04	3.333E-02
ENSG00000241399.6	CD302	-0.216	6.426E-04	3.346E-02
ENSG00000176681.14	LRRC37A	-0.490	6.451E-04	3.348E-02
ENSG00000025708.13	TYMP	0.542	6.561E-04	3.394E-02
ENSG00000138002.14	IFT172	0.086	6.619E-04	3.402E-02
ENSG00000143248.12	RGS5	-0.147	6.616E-04	3.402E-02
ENSG00000235478.4	AC006946.15	-0.220	6.688E-04	3.426E-02
ENSG00000104164.10	BLOC1S6	-0.104	6.823E-04	3.484E-02
ENSG00000186792.16	HYAL3	0.170	6.849E-04	3.486E-02
ENSG00000108107.14	RPL28	0.101	6.948E-04	3.504E-02
ENSG00000175826.11	CTDNEP1	0.075	6.958E-04	3.504E-02
ENSG00000136205.16	TNS3	-0.177	6.972E-04	3.504E-02

ENSG00000213316.9	LTC4S	-0.345	6.963E-04	3.504E-02
ENSG00000011376.9	LARS2	0.083	7.057E-04	3.535E-02
ENSG00000161526.14	SAP30BP	0.062	7.080E-04	3.536E-02
ENSG00000083828.15	ZNF586	0.193	7.112E-04	3.540E-02
ENSG00000113657.12	DPYSL3	0.331	7.317E-04	3.603E-02
ENSG00000066827.15	ZFAT	0.072	7.295E-04	3.603E-02
ENSG00000165669.13	FAM204A	-0.070	7.317E-04	3.603E-02
ENSG00000226686.7	AC012309.5	-0.622	7.328E-04	3.603E-02
ENSG00000198231.12	DDX42	-0.080	7.405E-04	3.629E-02
ENSG00000179886.5	TIGD5	0.102	7.663E-04	3.744E-02
ENSG00000133466.13	C1QTNF6	0.247	7.732E-04	3.766E-02
ENSG00000167065.13	DUSP18	0.200	7.791E-04	3.780E-02
ENSG00000104219.12	ZDHHC2	0.132	7.807E-04	3.780E-02
ENSG00000154832.14	CXXC1	0.080	7.969E-04	3.846E-02
ENSG00000215424.9	MCM3APAS	0.205	8.089E-04	3.874E-02
ENSG00000197702.11	PARVA	0.105	8.093E-04	3.874E-02
ENSG00000050628.20	PTGER3	-0.410	8.099E-04	3.874E-02
ENSG00000196656.7	AC004057.1	0.246	8.309E-04	3.951E-02
ENSG00000121892.14	PDS5A	0.074	8.291E-04	3.951E-02
ENSG00000250312.6	ZNF718	0.170	8.350E-04	3.951E-02
ENSG00000225178.5	RPSAP58	-0.314	8.361E-04	3.951E-02
ENSG00000104064.16	GABPB1	-0.070	8.402E-04	3.959E-02
ENSG00000234773.7	CTD-2666L21.1	0.108	8.466E-04	3.977E-02
ENSG00000185477.4	GPRIN3	0.162	8.497E-04	3.980E-02
ENSG00000219626.8	FAM228B	0.086	8.534E-04	3.986E-02
ENSG00000244734.3	HBB	0.545	8.724E-04	4.062E-02
ENSG00000134905.16	CARS2	0.081	8.775E-04	4.075E-02
ENSG00000167920.8	TMEM99	0.145	8.850E-04	4.086E-02
ENSG00000134278.15	SPIRE1	-0.042	8.852E-04	4.086E-02
ENSG00000155926.13	SLA	0.508	8.976E-04	4.132E-02
ENSG00000269473.1	CTD-2619J13.19	0.238	9.101E-04	4.177E-02
ENSG00000173914.11	RBM4B	0.094	9.253E-04	4.199E-02
ENSG00000147316.12	MCPI1	0.060	9.202E-04	4.199E-02
ENSG00000271755.1	RP1-153G14.4	-0.158	9.230E-04	4.199E-02
ENSG00000198468.7	FLVCR1-AS1	-0.316	9.254E-04	4.199E-02
ENSG00000158161.15	EYA3	0.091	9.341E-04	4.226E-02
ENSG00000204104.11	TRAF3IP1	-0.079	9.417E-04	4.248E-02
ENSG00000124541.6	RRP36	-0.085	9.521E-04	4.283E-02
ENSG00000229692.3	AC019171.5	0.204	9.588E-04	4.301E-02
ENSG00000157379.13	DHRS1	0.143	9.678E-04	4.329E-02
ENSG00000186687.15	LYRM7	-0.076	9.759E-04	4.353E-02
ENSG00000133422.12	MORC2	0.055	9.802E-04	4.360E-02
ENSG00000188599.17	NPIPP1	0.216	9.906E-04	4.394E-02
ENSG00000091664.7	SLC17A6	0.223	1.012E-03	4.441E-02
ENSG00000134222.16	PSRC1	0.151	1.005E-03	4.441E-02

ENSG00000136270.13	TBRG4	0.074	1.012E-03	4.441E-02
ENSG00000246363.2	RP11-13A1.1	-0.200	1.009E-03	4.441E-02
ENSG00000167210.16	LOXHD1	-0.280	1.018E-03	4.452E-02
ENSG00000072682.18	P4HA2	0.126	1.035E-03	4.515E-02
ENSG00000115421.12	PAPOLG	0.075	1.038E-03	4.515E-02
ENSG00000072210.18	ALDH3A2	0.111	1.057E-03	4.586E-02
ENSG00000120696.8	KBTD7	0.083	1.070E-03	4.629E-02
ENSG00000143891.16	GALM	0.204	1.077E-03	4.634E-02
ENSG00000085721.12	RRN3	0.074	1.076E-03	4.634E-02
ENSG00000118257.16	NRP2	0.111	1.091E-03	4.681E-02
ENSG00000184635.15	ZNF93	0.167	1.105E-03	4.729E-02
ENSG00000064601.16	CTSA	0.070	1.113E-03	4.750E-02
ENSG00000163735.6	CXCL5	0.296	1.120E-03	4.757E-02
ENSG00000136874.10	STX17	-0.053	1.119E-03	4.757E-02
ENSG00000074054.17	CLASP1	0.065	1.131E-03	4.791E-02
ENSG00000266524.2	GDF10	0.251	1.136E-03	4.799E-02
ENSG00000139187.9	KLRG1	0.149	1.147E-03	4.830E-02
ENSG00000184227.7	ACOT1	0.365	1.152E-03	4.838E-02
ENSG00000170631.14	ZNF16	0.068	1.170E-03	4.890E-02
ENSG00000236296.8	AC139713.1	-0.241	1.169E-03	4.890E-02
ENSG00000253729.7	PRKDC	0.052	1.190E-03	4.959E-02
ENSG00000162231.13	NXF1	0.096	1.198E-03	4.979E-02
ENSG00000127311.9	HELB	0.234	1.202E-03	4.982E-02
ENSG00000125378.15	BMP4	0.338	1.207E-03	4.991E-02

Event 4 (ELOVL7)

	Symbol	logFC	PValue	FDR
ENSG00000225972.1	RP5-857K21.9	2.547	4.327E-15	6.946E-11
ENSG00000187951.10	LOC100288637	-0.994	1.956E-13	1.570E-09
ENSG00000262074.6	SNORD3B-2	-1.134	5.009E-11	2.680E-07
ENSG00000232229.5	RP11-248C1.2	0.476	1.788E-10	6.044E-07
ENSG00000172062.16	SMN1	0.234	1.883E-10	6.044E-07
ENSG00000259479.6	CTD-2008A1.2	1.346	9.649E-10	2.581E-06
ENSG00000162620.15	LRRIQ3	0.433	2.864E-09	6.568E-06
ENSG00000242110.7	AMACR	-0.265	6.628E-09	1.330E-05
ENSG00000187630.15	DHRS4L2	-0.320	1.925E-08	3.434E-05
ENSG00000225725.4	FAM66E	0.930	3.116E-08	4.931E-05
ENSG00000103363.14	ELOB	0.385	3.869E-08	4.931E-05
ENSG00000115267.5	IFIH1	0.340	4.301E-08	4.931E-05
ENSG00000196312.12	MFSD14C	-0.275	3.948E-08	4.931E-05
ENSG00000136235.15	GPNMB	-0.552	4.197E-08	4.931E-05
ENSG00000254685.6	FPGT	0.183	4.983E-08	5.333E-05
ENSG00000215256.3	DHRS4-AS1	-0.298	5.534E-08	5.552E-05
ENSG00000126709.14	IFI6	0.430	6.132E-08	5.790E-05
ENSG00000111331.12	OAS3	0.475	8.654E-08	7.717E-05
ENSG00000136826.14	KLF4	-0.668	1.167E-07	9.861E-05
ENSG00000235092.5	AC011747.7	-0.310	1.943E-07	1.560E-04
ENSG00000230202.1	RP11-632C17__A.1	1.358	2.129E-07	1.627E-04
ENSG00000008128.22	CDK11A	0.225	2.537E-07	1.851E-04
ENSG00000163913.11	IFT122	-0.142	2.670E-07	1.864E-04
ENSG00000215908.10	CROCCP2	0.241	3.076E-07	2.057E-04
ENSG00000168038.10	ULK4	0.208	3.552E-07	2.281E-04
ENSG00000261377.5	RP11-578F21.12	-0.360	4.582E-07	2.829E-04
ENSG00000187608.8	ISG15	0.492	5.493E-07	3.149E-04
ENSG00000125740.13	FOSB	-0.682	5.453E-07	3.149E-04
ENSG00000075234.16	TTC38	0.295	7.579E-07	4.195E-04
ENSG00000197362.14	ZNF786	-0.122	8.317E-07	4.450E-04
ENSG00000169836.4	TACR3	0.380	1.240E-06	6.219E-04
ENSG00000147804.9	SLC39A4	-0.302	1.201E-06	6.219E-04
ENSG00000090054.13	SPTLC1	0.095	1.336E-06	6.498E-04
ENSG00000065621.14	GSTO2	-0.226	1.398E-06	6.602E-04
ENSG00000107951.14	MTPAP	-0.107	1.503E-06	6.892E-04
ENSG00000213088.9	ACKR1	-0.368	1.592E-06	7.100E-04
ENSG00000215374.5	RP11-1195F20.2	-0.425	1.657E-06	7.190E-04
ENSG00000119917.13	IFIT3	0.397	2.032E-06	8.154E-04
ENSG00000224877.3	C17orf89	-0.159	2.008E-06	8.154E-04
ENSG00000140263.13	SORD	-0.163	2.031E-06	8.154E-04
ENSG00000175772.10	AC112229.7	-0.288	2.257E-06	8.531E-04
ENSG00000279672.1	CMB9-55F22.1	-0.502	2.285E-06	8.531E-04
ENSG00000176681.14	LRRC37A	-0.597	2.211E-06	8.531E-04
ENSG00000260426.1	RP5-912I13.1	0.669	2.617E-06	9.335E-04
ENSG00000103154.9	NECAB2	-0.251	2.583E-06	9.335E-04

ENSG00000197785.13	ATAD3A	-0.123	2.706E-06	9.442E-04
ENSG00000198944.5	SOWAHA	-0.225	2.794E-06	9.543E-04
ENSG00000283646.1	RP11-24F11.5	-0.376	2.890E-06	9.663E-04
ENSG00000248527.1	RP5-857K21.10	0.494	3.214E-06	1.030E-03
ENSG00000259448.2	RP11-16E12.1	0.253	3.273E-06	1.030E-03
ENSG00000144741.17	SLC25A26	-0.154	3.242E-06	1.030E-03
ENSG00000149292.16	TTC12	0.283	4.647E-06	1.435E-03
ENSG00000119922.9	IFIT2	0.290	4.953E-06	1.500E-03
ENSG00000246089.3	RP11-115C21.2	0.191	5.265E-06	1.537E-03
ENSG00000112584.13	FAM120B	0.072	5.229E-06	1.537E-03
ENSG00000173272.15	MZT2A	-0.163	5.555E-06	1.592E-03
ENSG00000127328.21	RAB3IP	0.099	5.897E-06	1.661E-03
ENSG00000254726.2	MEX3A	0.563	6.414E-06	1.775E-03
ENSG00000070269.13	TMEM260	0.093	6.785E-06	1.846E-03
ENSG00000218672.1	AC008060.7	0.628	7.749E-06	2.072E-03
ENSG00000184428.12	TOP1MT	0.143	7.876E-06	2.072E-03
ENSG00000214401.4	RP11-197O15.1	-0.520	8.974E-06	2.323E-03
ENSG00000100726.14	TELO2	-0.126	9.935E-06	2.531E-03
ENSG00000276591.1	GXYLT1P5	0.483	1.015E-05	2.533E-03
ENSG00000074803.17	SLC12A1	0.422	1.026E-05	2.533E-03
ENSG00000137959.15	IFI44L	0.472	1.085E-05	2.599E-03
ENSG00000114547.9	ROPN1B	-0.285	1.075E-05	2.599E-03
ENSG00000141994.15	DUS3L	-0.137	1.248E-05	2.895E-03
ENSG00000132840.9	BHMT2	-0.309	1.262E-05	2.895E-03
ENSG00000272977.1	CTA-390C10.10	-0.531	1.256E-05	2.895E-03
ENSG00000137801.10	THBS1	0.719	1.404E-05	2.895E-03
ENSG00000119283.15	TRIM67	0.532	1.376E-05	2.895E-03
ENSG00000271254.6	LOC102724250	0.236	1.357E-05	2.895E-03
ENSG00000184635.15	ZNF93	0.189	1.303E-05	2.895E-03
ENSG00000151572.16	ANO4	0.124	1.407E-05	2.895E-03
ENSG00000213920.8	MDP1	-0.198	1.340E-05	2.895E-03
ENSG00000204219.9	TCEA3	-0.256	1.361E-05	2.895E-03
ENSG00000279656.1	RP11-298I3.6	-0.710	1.331E-05	2.895E-03
ENSG00000089127.12	OAS1	0.419	1.561E-05	3.171E-03
ENSG00000186364.11	NUDT17	-0.143	1.633E-05	3.277E-03
ENSG00000243902.6	RP1-63G5.5	-0.301	1.866E-05	3.697E-03
ENSG00000261737.1	RP4-612B15.3	-0.197	1.910E-05	3.740E-03
ENSG00000156414.18	TDRD9	-0.300	1.940E-05	3.752E-03
ENSG00000226686.7	AC012309.5	-0.661	1.999E-05	3.819E-03
ENSG00000188312.13	CENPP	0.196	2.320E-05	4.381E-03
ENSG00000237973.1	RP5-857K21.6	0.753	2.590E-05	4.835E-03
ENSG00000140265.12	ZSCAN29	0.095	2.862E-05	5.281E-03
ENSG00000223496.2	EXOSC6	-0.108	2.901E-05	5.292E-03
ENSG00000197702.11	PARVA	0.112	3.016E-05	5.440E-03
ENSG00000157326.18	DHRS4	-0.245	3.096E-05	5.521E-03

ENSG00000182648.11	C7orf13	-0.133	3.165E-05	5.582E-03
ENSG00000104341.16	LAPTM4B	0.127	3.254E-05	5.678E-03
ENSG00000284610.1	RP11-481A20.11	-0.216	4.298E-05	7.339E-03
ENSG00000273253.2	RP3-402G11.26	-0.264	4.281E-05	7.339E-03
ENSG00000105538.9	RASIP1	-0.139	4.347E-05	7.345E-03
ENSG00000180902.17	D2HGDH	-0.130	4.425E-05	7.399E-03
ENSG00000276128.1	RP11-459O16.8	0.308	4.541E-05	7.402E-03
ENSG00000215424.9	MCM3APAS	0.222	4.519E-05	7.402E-03
ENSG00000233175.2	CTD-2020K17.3	-0.266	4.565E-05	7.402E-03
ENSG00000183935.5	RP11-392P7.3	-0.181	4.802E-05	7.709E-03
ENSG00000272398.5	CD24	0.666	5.016E-05	7.777E-03
ENSG00000226752.9	RP11-271I.2	0.240	5.004E-05	7.777E-03
ENSG00000116977.18	LGALS8	0.113	5.038E-05	7.777E-03
ENSG00000198642.6	KLHL9	0.069	4.924E-05	7.777E-03
ENSG00000179277.9	MEIS3P1	-0.230	5.596E-05	8.555E-03
ENSG00000213928.8	IRF9	0.231	5.666E-05	8.580E-03
ENSG00000261502.3	RP11-96H17.1	-0.442	6.115E-05	9.173E-03
ENSG00000205413.7	SAMD9	0.247	6.458E-05	9.598E-03
ENSG00000247516.6	RP11-480D4.3	-0.177	7.037E-05	1.036E-02
ENSG00000109323.8	MANBA	0.091	7.139E-05	1.042E-02
ENSG00000049167.13	ERCC8	0.081	7.400E-05	1.051E-02
ENSG00000176809.10	LRRC37A3	-0.226	7.290E-05	1.051E-02
ENSG00000263503.1	RP11-707O23.5	-1.084	7.371E-05	1.051E-02
ENSG00000248429.5	RP11-597D13.9	-0.286	7.510E-05	1.057E-02
ENSG00000185215.8	TNFAIP2	0.285	7.703E-05	1.066E-02
ENSG00000138646.8	HERC5	0.271	7.666E-05	1.066E-02
ENSG00000168803.14	ADAL	-0.107	8.064E-05	1.106E-02
ENSG00000268592.3	RP11-244K5.8	-0.311	8.349E-05	1.136E-02
ENSG00000237636.2	RP11-385E5.8	0.498	8.987E-05	1.192E-02
ENSG00000264343.5	NOTCH2NL	0.228	8.980E-05	1.192E-02
ENSG00000163393.12	SLC22A15	0.153	8.915E-05	1.192E-02
ENSG00000111671.9	SPSB2	0.204	9.203E-05	1.211E-02
ENSG00000166845.13	C18orf54	0.229	9.373E-05	1.223E-02
ENSG00000182366.9	RP11-63E5.8	-0.321	9.513E-05	1.231E-02
ENSG00000188611.14	ASAH2	-0.304	9.705E-05	1.246E-02
ENSG00000112685.13	EXOC2	0.054	1.009E-04	1.285E-02
ENSG00000236922.9	AC092661.1	-0.333	1.033E-04	1.305E-02
ENSG00000120539.14	MASTL	0.125	1.056E-04	1.324E-02
ENSG00000173110.7	HSPA6	1.411	1.065E-04	1.325E-02
ENSG00000126005.16	RP4-614O4.5	-0.116	1.121E-04	1.372E-02
ENSG00000260793.2	RP5-882C2.2	-0.200	1.129E-04	1.372E-02
ENSG00000179698.13	WDR97	-0.344	1.127E-04	1.372E-02
ENSG00000225178.5	RPSAP58	-0.325	1.149E-04	1.387E-02
ENSG00000269374.1	CTB-50E14.5	-0.229	1.229E-04	1.472E-02
ENSG00000034239.10	EFCAB1	0.346	1.344E-04	1.560E-02

ENSG00000167842.15	MIS12	0.098	1.333E-04	1.560E-02
ENSG00000147316.12	MCPH1	0.056	1.332E-04	1.560E-02
ENSG00000276855.1	CTD-3157E16.2	-0.198	1.351E-04	1.560E-02
ENSG00000175538.10	KCNE3	-0.267	1.349E-04	1.560E-02
ENSG00000112619.7	PRPH2	-0.305	1.412E-04	1.619E-02
ENSG00000183287.13	CCBE1	0.359	1.437E-04	1.635E-02
ENSG00000080200.9	CRYBG3	0.202	1.447E-04	1.636E-02
ENSG00000023445.13	BIRC3	0.244	1.473E-04	1.637E-02
ENSG00000170667.14	RASA4B	0.235	1.478E-04	1.637E-02
ENSG00000180398.11	MCFD2	-0.098	1.489E-04	1.637E-02
ENSG00000122176.10	FMOD	-0.372	1.488E-04	1.637E-02
ENSG00000130589.16	HELZ2	0.394	1.563E-04	1.707E-02
ENSG00000161010.14	C5orf45	-0.114	1.590E-04	1.725E-02
ENSG00000186470.13	BTN3A2	0.236	1.614E-04	1.736E-02
ENSG00000272750.1	RP11-378J18.8	0.205	1.622E-04	1.736E-02
ENSG00000120322.3	PCDHB8	-0.261	1.638E-04	1.742E-02
ENSG00000132854.18	KANK4	0.310	1.763E-04	1.850E-02
ENSG00000086619.13	ERO1B	0.096	1.753E-04	1.850E-02
ENSG00000187688.14	TRPV2	-0.265	1.794E-04	1.870E-02
ENSG00000231887.6	PRH1	0.238	1.899E-04	1.967E-02
ENSG00000158483.15	FAM86C1	0.143	1.915E-04	1.971E-02
ENSG00000025770.18	NCAPH2	-0.069	1.998E-04	2.043E-02
ENSG00000272808.3	RP11-66B24.7	0.363	2.040E-04	2.047E-02
ENSG00000105889.14	STEAP1B	0.243	2.029E-04	2.047E-02
ENSG00000237036.4	ZEB1-AS1	0.107	2.022E-04	2.047E-02
ENSG00000035499.12	DEPDC1B	-0.175	2.132E-04	2.126E-02
ENSG00000213988.10	ZNF90	0.297	2.216E-04	2.196E-02
ENSG00000241945.7	PWP2	0.595	2.252E-04	2.217E-02
ENSG00000215241.3	RP11-266K4.9	-0.258	2.334E-04	2.285E-02
ENSG00000111850.10	SMIM8	0.101	2.424E-04	2.358E-02
ENSG00000253741.1	CTD-2292P10.4	-0.163	2.454E-04	2.358E-02
ENSG00000149418.10	ST14	-0.267	2.446E-04	2.358E-02
ENSG00000170113.15	NIPA1	0.105	2.530E-04	2.418E-02
ENSG00000167705.11	RILP	-0.190	2.629E-04	2.497E-02
ENSG00000197258.5	RP11-612L3.1	-0.194	2.792E-04	2.636E-02
ENSG00000270607.1	RP11-359E10.1	-0.142	2.947E-04	2.767E-02
ENSG00000250138.4	RP11-848G14.5	-0.464	2.995E-04	2.795E-02
ENSG00000114805.16	PLCH1	0.142	3.087E-04	2.848E-02
ENSG00000104219.12	ZDHHC2	0.122	3.148E-04	2.848E-02
ENSG00000264247.1	RP11-231E4.4	0.102	3.100E-04	2.848E-02
ENSG00000118690.12	ARMC2	-0.088	3.158E-04	2.848E-02
ENSG00000034510.5	TMSB10	-0.160	3.124E-04	2.848E-02
ENSG00000163453.11	IGFBP7	-0.263	3.110E-04	2.848E-02
ENSG00000259823.5	LYPD8	0.297	3.205E-04	2.858E-02
ENSG00000162702.7	ZNF281	0.085	3.192E-04	2.858E-02

ENSG00000169136.10	ATF5	-0.121	3.234E-04	2.868E-02
ENSG00000246375.2	RP11-10L7.1	0.496	3.264E-04	2.879E-02
ENSG00000137809.16	ITGA11	-0.222	3.293E-04	2.889E-02
ENSG00000188013.6	MEIS3P2	0.193	3.353E-04	2.925E-02
ENSG00000164307.12	ERAP1	0.100	3.565E-04	3.060E-02
ENSG00000104064.16	GABPB1	-0.068	3.557E-04	3.060E-02
ENSG00000187627.15	RGPD1	-0.353	3.532E-04	3.060E-02
ENSG00000170242.17	USP47	0.078	3.667E-04	3.121E-02
ENSG00000171772.16	SYCE1	-0.241	3.675E-04	3.121E-02
ENSG00000188130.13	MAPK12	-0.108	3.735E-04	3.139E-02
ENSG00000274642.1	CH17-472G23.1	-0.396	3.724E-04	3.139E-02
ENSG00000177409.11	SAMD9L	0.264	3.784E-04	3.148E-02
ENSG00000198468.7	FLVCR1-AS1	-0.305	3.770E-04	3.148E-02
ENSG00000260077.1	RP11-254F7.2	-0.155	3.849E-04	3.184E-02
ENSG00000138642.14	HERC6	0.192	3.892E-04	3.188E-02
ENSG00000103671.9	TRIP4	0.070	3.876E-04	3.188E-02
ENSG00000277778.2	PGM5P2	0.365	3.984E-04	3.202E-02
ENSG00000134321.11	RSAD2	0.255	4.010E-04	3.202E-02
ENSG00000184470.20	TXNRD2	-0.085	3.990E-04	3.202E-02
ENSG00000175264.7	CHST1	-0.092	3.962E-04	3.202E-02
ENSG00000215018.9	COL28A1	-0.241	3.945E-04	3.202E-02
ENSG00000015592.16	STMN4	0.127	4.076E-04	3.239E-02
ENSG00000162490.6	DRAXIN	0.604	4.184E-04	3.295E-02
ENSG00000127220.5	ABHD8	-0.099	4.188E-04	3.295E-02
ENSG00000188818.12	ZDHHC11	0.434	4.375E-04	3.409E-02
ENSG00000157306.14	RP11-66N24.4	-0.136	4.356E-04	3.409E-02
ENSG00000168255.19	POLR2J3	0.204	4.507E-04	3.495E-02
ENSG00000100697.14	DICER1	0.116	4.585E-04	3.539E-02
ENSG00000168356.11	SCN11A	0.210	4.815E-04	3.663E-02
ENSG00000164002.11	EXO5	0.108	4.814E-04	3.663E-02
ENSG00000134255.13	CEPT1	0.087	4.838E-04	3.663E-02
ENSG00000162065.12	TBC1D24	-0.084	4.782E-04	3.663E-02
ENSG00000159200.17	RCAN1	0.081	4.930E-04	3.715E-02
ENSG00000146070.16	PLA2G7	0.199	5.061E-04	3.779E-02
ENSG00000277053.4	GTF2IP1	0.102	5.060E-04	3.779E-02
ENSG00000115112.7	TFCP2L1	0.346	5.416E-04	4.025E-02
ENSG00000108381.10	ASPA	0.364	5.493E-04	4.026E-02
ENSG00000148296.6	SURF6	0.077	5.448E-04	4.026E-02
ENSG00000158966.13	CACHD1	-0.110	5.479E-04	4.026E-02
ENSG00000161981.10	SNRNP25	-0.122	5.592E-04	4.057E-02
ENSG00000173442.12	EHBP1L1	-0.127	5.598E-04	4.057E-02
ENSG00000181019.12	NQO1	-0.350	5.611E-04	4.057E-02
ENSG00000100413.16	POLR3H	-0.067	5.749E-04	4.138E-02
ENSG00000106853.18	PTGR1	0.131	5.807E-04	4.143E-02
ENSG00000185304.14	RGPD2	-0.471	5.788E-04	4.143E-02

ENSG00000130748.6	TMEM160	-0.130	5.977E-04	4.220E-02
ENSG00000250790.4	RP11-46H11.3	-0.133	5.948E-04	4.220E-02
ENSG00000196118.11	CCDC189	-0.145	5.995E-04	4.220E-02
ENSG00000136014.11	USP44	0.146	6.151E-04	4.312E-02
ENSG00000140557.11	ST8SIA2	0.694	6.290E-04	4.390E-02
ENSG00000258311.5	RP11-644F5.10	0.188	6.333E-04	4.393E-02
ENSG00000275601.1	AC011330.13	-0.167	6.349E-04	4.393E-02
ENSG00000105656.12	ELL	-0.085	6.428E-04	4.428E-02
ENSG00000232855.6	AF131217.1	0.341	6.715E-04	4.548E-02
ENSG00000224957.5	AC090044.1	0.275	6.680E-04	4.548E-02
ENSG00000111843.13	TMEM14C	0.128	6.713E-04	4.548E-02
ENSG00000269896.2	RP4-740C4.5	-0.186	6.690E-04	4.548E-02
ENSG00000125651.13	GTF2F1	-0.074	6.893E-04	4.649E-02
ENSG00000095383.19	TBC1D2	0.263	6.941E-04	4.662E-02
ENSG00000160284.14	SPATC1L	-0.278	7.047E-04	4.714E-02
ENSG00000163069.12	SGCB	0.076	7.093E-04	4.724E-02
ENSG00000205809.9	KLRC2	0.481	7.304E-04	4.775E-02
ENSG00000284116.1	RP11-204M4.4	0.212	7.295E-04	4.775E-02
ENSG00000077943.7	ITGA8	0.162	7.318E-04	4.775E-02
ENSG00000008988.9	RPS20	-0.092	7.293E-04	4.775E-02
ENSG00000181444.12	ZNF467	-0.204	7.309E-04	4.775E-02
ENSG00000159374.17	M1AP	-0.178	7.402E-04	4.810E-02
ENSG00000185745.9	IFIT1	0.196	7.573E-04	4.902E-02
ENSG00000164181.13	ELOVL7	0.147	7.728E-04	4.982E-02
ENSG00000170581.13	STAT2	0.088	7.784E-04	4.998E-02

Event 5 (DRC1)

	Symbol	logFC	PValue	FDR
ENSG00000157856.10	DRC1	0.464	5.610E-26	8.907E-22
ENSG00000259479.6	CTD-2008A1.2	1.572	1.040E-15	8.259E-12
ENSG00000262074.6	SNORD3B-2	-1.237	5.044E-14	2.669E-10
ENSG00000237973.1	RP5-857K21.6	1.230	1.031E-13	4.093E-10
ENSG00000137801.10	THBS1	1.071	7.480E-13	2.375E-09
ENSG00000274642.1	CH17-472G23.1	-0.689	6.834E-12	1.808E-08
ENSG00000225972.1	RP5-857K21.9	1.950	2.632E-11	5.970E-08
ENSG00000144741.17	SLC25A26	-0.195	1.423E-10	2.824E-07
ENSG00000196312.12	MFSD14C	-0.294	4.997E-10	8.815E-07
ENSG00000254726.2	MEX3A	0.692	6.881E-10	9.788E-07
ENSG00000140263.13	SORD	-0.196	6.468E-10	9.788E-07
ENSG00000242110.7	AMACR	-0.264	7.515E-10	9.788E-07
ENSG00000172058.15	SERF1A	-0.581	8.015E-10	9.788E-07
ENSG00000184635.15	ZNF93	0.249	1.318E-09	1.308E-06
ENSG00000120156.20	TEK	-0.212	1.304E-09	1.308E-06
ENSG00000273253.2	RP3-402G11.26	-0.361	1.194E-09	1.308E-06
ENSG00000272398.5	CD24	0.891	1.758E-09	1.642E-06
ENSG00000034239.10	EFCAB1	0.495	2.386E-09	1.994E-06
ENSG00000176681.14	LRRC37A	-0.698	2.334E-09	1.994E-06
ENSG00000248527.1	RP5-857K21.10	0.575	3.302E-09	2.497E-06
ENSG00000204219.9	TCEA3	-0.329	3.255E-09	2.497E-06
ENSG00000119283.15	TRIM67	0.647	3.949E-09	2.850E-06
ENSG00000172062.16	SMN1	0.204	7.078E-09	4.885E-06
ENSG00000176887.6	SOX11	0.762	8.654E-09	5.495E-06
ENSG00000235092.5	AC011747.7	-0.325	8.454E-09	5.495E-06
ENSG00000107951.14	MTPAP	-0.120	1.465E-08	8.947E-06
ENSG00000187951.10	LOC100288637	-0.737	1.577E-08	9.273E-06
ENSG00000217801.9	RP11-465B22.3	0.387	1.678E-08	9.516E-06
ENSG00000140557.11	ST8SIA2	1.023	2.762E-08	1.512E-05
ENSG00000162490.6	DRAXIN	0.867	3.243E-08	1.716E-05
ENSG00000254682.1	RP11-660L16.2	-0.593	4.236E-08	2.169E-05
ENSG00000164002.11	EXO5	0.154	5.711E-08	2.833E-05
ENSG00000168542.14	COL3A1	0.957	6.525E-08	3.139E-05
ENSG00000173272.15	MZT2A	-0.185	6.765E-08	3.159E-05
ENSG00000198944.5	SOWAHA	-0.241	9.812E-08	4.451E-05
ENSG00000114805.16	PLCH1	0.191	1.199E-07	5.288E-05
ENSG00000168255.19	POLR2J3	0.287	1.302E-07	5.438E-05
ENSG00000120696.8	KBTBD7	0.107	1.288E-07	5.438E-05
ENSG00000111906.17	HDDC2	-0.175	1.352E-07	5.502E-05
ENSG00000101188.4	NTSR1	0.510	1.396E-07	5.541E-05
ENSG00000170632.13	ARMC10	0.140	1.873E-07	7.254E-05
ENSG00000272977.1	CTA-390C10.10	-0.607	1.929E-07	7.290E-05
ENSG00000272750.1	RP11-378J18.8	0.260	2.010E-07	7.419E-05
ENSG00000215908.10	CROCCP2	0.233	2.154E-07	7.772E-05
ENSG00000135245.9	HILPDA	-0.742	2.367E-07	8.351E-05

ENSG00000279672.1	CMB9-55F22.1	-0.520	2.455E-07	8.472E-05
ENSG00000170667.14	RASA4B	0.306	2.542E-07	8.586E-05
ENSG00000267470.5	CTD-3064H18.6	0.516	3.104E-07	1.027E-04
ENSG00000215374.5	RP11-1195F20.2	-0.434	3.210E-07	1.040E-04
ENSG00000108821.13	COL1A1	0.911	3.280E-07	1.041E-04
ENSG00000246089.3	RP11-115C21.2	0.198	3.458E-07	1.076E-04
ENSG00000142449.12	FBN3	0.613	3.837E-07	1.171E-04
ENSG00000126953.5	TIMM8A	-0.140	4.115E-07	1.233E-04
ENSG00000184428.12	TOP1MT	0.150	4.966E-07	1.460E-04
ENSG00000283646.1	RP11-24F11.5	-0.378	5.314E-07	1.534E-04
ENSG00000175538.10	KCNE3	-0.327	5.712E-07	1.614E-04
ENSG00000261377.5	RP11-578F21.12	-0.336	5.795E-07	1.614E-04
ENSG00000176593.7	CTD-2368P22.1	0.226	6.017E-07	1.647E-04
ENSG00000161010.14	C5orf45	-0.141	7.327E-07	1.939E-04
ENSG00000261737.1	RP4-612B15.3	-0.216	7.233E-07	1.939E-04
ENSG00000169432.14	SCN9A	0.431	7.528E-07	1.959E-04
ENSG00000120675.5	DNAJC15	0.119	8.083E-07	2.070E-04
ENSG00000163913.11	IFT122	-0.131	8.355E-07	2.105E-04
ENSG00000065621.14	GSTO2	-0.223	9.585E-07	2.378E-04
ENSG00000204588.5	AC013268.5	0.208	1.004E-06	2.452E-04
ENSG00000215256.3	DHRS4-AS1	-0.266	1.020E-06	2.453E-04
ENSG00000009709.11	PAX7	-0.241	1.051E-06	2.491E-04
ENSG00000168803.14	ADAL	-0.125	1.172E-06	2.737E-04
ENSG00000187630.15	DHRS4L2	-0.275	1.260E-06	2.869E-04
ENSG00000279656.1	RP11-298I3.6	-0.768	1.265E-06	2.869E-04
ENSG00000196335.12	STK31	0.515	1.283E-06	2.869E-04
ENSG00000147804.9	SLC39A4	-0.291	1.305E-06	2.879E-04
ENSG00000250241.5	RP11-9G1.3	0.165	1.384E-06	3.009E-04
ENSG00000183287.13	CCBE1	0.425	1.513E-06	3.246E-04
ENSG00000108592.16	FTSJ3	0.125	1.871E-06	3.961E-04
ENSG00000185477.4	GPRIN3	0.185	1.923E-06	4.016E-04
ENSG00000225725.4	FAM66E	0.742	2.010E-06	4.144E-04
ENSG00000103154.9	NECAB2	-0.238	2.076E-06	4.226E-04
ENSG00000246695.7	RP11-877E17.2	-0.135	2.297E-06	4.617E-04
ENSG00000188312.13	CENPP	0.206	2.374E-06	4.711E-04
ENSG00000226686.7	AC012309.5	-0.699	2.520E-06	4.938E-04
ENSG00000150361.11	KLHL1	0.552	2.696E-06	5.220E-04
ENSG00000111850.10	SMIM8	0.120	2.730E-06	5.222E-04
ENSG00000090054.13	SPTLC1	0.087	2.885E-06	5.453E-04
ENSG00000166250.11	CLMP	0.352	3.013E-06	5.628E-04
ENSG00000226752.9	RP11-27I1.2	0.262	3.257E-06	6.013E-04
ENSG00000182366.9	RP11-63E5.8	-0.371	3.365E-06	6.141E-04
ENSG00000241945.7	PWP2	0.687	3.577E-06	6.438E-04
ENSG00000136235.15	GPNMB	-0.456	3.609E-06	6.438E-04
ENSG00000094963.13	FMO2	-0.410	4.213E-06	7.431E-04

ENSG00000196922.10	ZNF252P	0.113	4.474E-06	7.806E-04
ENSG00000122085.16	MTERF4	-0.099	4.720E-06	8.146E-04
ENSG00000168743.12	NPNT	0.535	4.799E-06	8.155E-04
ENSG00000074803.17	SLC12A1	0.411	4.828E-06	8.155E-04
ENSG00000213920.8	MDP1	-0.195	5.001E-06	8.357E-04
ENSG00000070193.4	FGF10	0.258	5.248E-06	8.678E-04
ENSG00000171772.16	SYCE1	-0.292	5.686E-06	9.307E-04
ENSG00000112584.13	FAM120B	0.066	6.450E-06	1.045E-03
ENSG00000166592.11	RRAD	0.605	7.494E-06	1.197E-03
ENSG00000213088.9	ACKR1	-0.329	7.537E-06	1.197E-03
ENSG00000205918.9	PDPK2P	0.355	9.137E-06	1.436E-03
ENSG00000151348.13	EXT2	0.066	9.736E-06	1.515E-03
ENSG00000196159.11	FAT4	0.316	1.013E-05	1.547E-03
ENSG00000243902.6	RP1-63G5.5	-0.294	1.010E-05	1.547E-03
ENSG00000253741.1	CTD-2292P10.4	-0.186	1.369E-05	2.070E-03
ENSG00000114021.11	NIT2	0.094	1.405E-05	2.105E-03
ENSG00000157851.16	DPYSL5	0.359	1.487E-05	2.185E-03
ENSG00000078070.12	MCCC1	-0.063	1.542E-05	2.185E-03
ENSG00000188130.13	MAPK12	-0.123	1.528E-05	2.185E-03
ENSG00000247516.6	RP11-480D4.3	-0.183	1.528E-05	2.185E-03
ENSG00000269374.1	CTB-50E14.5	-0.251	1.510E-05	2.185E-03
ENSG00000054219.10	LY75	-0.336	1.494E-05	2.185E-03
ENSG00000103363.14	ELOB	0.287	1.639E-05	2.262E-03
ENSG00000168038.10	ULK4	0.169	1.655E-05	2.262E-03
ENSG00000043514.15	TRIT1	0.086	1.681E-05	2.262E-03
ENSG00000128849.10	CGNL1	-0.144	1.671E-05	2.262E-03
ENSG00000176809.10	LRRC37A3	-0.233	1.681E-05	2.262E-03
ENSG00000215018.9	COL28A1	-0.280	1.626E-05	2.262E-03
ENSG00000276591.1	GXYLT1P5	0.437	1.860E-05	2.481E-03
ENSG00000087076.8	HSD17B14	-0.196	1.875E-05	2.481E-03
ENSG00000187608.8	ISG15	0.415	1.965E-05	2.578E-03
ENSG00000155926.13	SLA	0.512	2.017E-05	2.614E-03
ENSG00000240356.6	RP11-395L14.11	-0.274	2.026E-05	2.614E-03
ENSG00000149418.10	ST14	-0.294	2.043E-05	2.615E-03
ENSG00000259964.6	RP11-673C5.2	0.289	2.091E-05	2.640E-03
ENSG00000188611.14	ASAH2	-0.318	2.095E-05	2.640E-03
ENSG00000100726.14	TELO2	-0.116	2.120E-05	2.650E-03
ENSG00000126709.14	IFI6	0.326	2.296E-05	2.848E-03
ENSG00000163453.11	IGFBP7	-0.285	2.368E-05	2.892E-03
ENSG00000188933.14	USP32P1	-0.406	2.361E-05	2.892E-03
ENSG00000182973.18	CNOT10	0.063	2.417E-05	2.929E-03
ENSG00000178031.16	ADAMTSL1	0.239	2.627E-05	3.160E-03
ENSG00000231784.8	DBIL5P	0.208	2.661E-05	3.177E-03
ENSG00000197702.11	PARVA	0.107	2.702E-05	3.201E-03
ENSG00000174576.9	NPAS4	0.922	2.744E-05	3.227E-03

ENSG00000187688.14	TRPV2	-0.283	2.856E-05	3.333E-03
ENSG00000231887.6	PRH1	0.252	3.115E-05	3.609E-03
ENSG00000068654.15	POLR1A	-0.084	3.298E-05	3.781E-03
ENSG00000224877.3	C17orf89	-0.130	3.310E-05	3.781E-03
ENSG00000187676.7	B3GLCT	0.103	3.351E-05	3.800E-03
ENSG00000183250.11	C21orf67	-0.185	3.580E-05	4.031E-03
ENSG00000197785.13	ATAD3A	-0.106	3.671E-05	4.104E-03
ENSG00000242265.5	PEG10	0.126	3.740E-05	4.153E-03
ENSG00000248429.5	RP11-597D13.9	-0.284	3.867E-05	4.263E-03
ENSG00000259448.2	RP11-16E12.1	0.209	3.979E-05	4.297E-03
ENSG00000235098.8	ANKRD65	-0.290	3.976E-05	4.297E-03
ENSG00000133392.17	MYH11	-0.405	3.974E-05	4.297E-03
ENSG00000042429.11	MED17	0.085	4.035E-05	4.328E-03
ENSG00000116977.18	LGALS8	0.107	4.140E-05	4.382E-03
ENSG00000138018.17	EPT1	0.082	4.128E-05	4.382E-03
ENSG00000180828.2	BHLHE22	0.419	4.239E-05	4.416E-03
ENSG00000183831.6	ANKRD45	0.165	4.256E-05	4.416E-03
ENSG00000162482.4	AKR7A3	-0.224	4.206E-05	4.416E-03
ENSG00000187627.15	RGPD1	-0.382	4.343E-05	4.478E-03
ENSG00000156414.18	TDRD9	-0.277	4.403E-05	4.510E-03
ENSG00000113657.12	DPYSL3	0.306	4.508E-05	4.588E-03
ENSG00000165233.17	CARD19	-0.098	4.625E-05	4.677E-03
ENSG00000180902.17	D2HGDH	-0.124	4.865E-05	4.889E-03
ENSG00000104368.17	PLAT	-0.195	4.902E-05	4.895E-03
ENSG00000162620.15	LRRIQ3	0.279	4.972E-05	4.923E-03
ENSG00000125656.8	CLPP	0.110	4.993E-05	4.923E-03
ENSG00000223496.2	EXOSC6	-0.100	5.036E-05	4.935E-03
ENSG00000248671.7	CTD-2313N18.5	-0.210	5.166E-05	5.032E-03
ENSG00000264985.2	RP11-449L23.2	0.588	5.551E-05	5.374E-03
ENSG00000198246.7	SLC29A3	-0.158	5.591E-05	5.380E-03
ENSG00000183935.5	RP11-392P7.3	-0.173	5.685E-05	5.437E-03
ENSG00000177640.15	CASC2	-0.094	5.862E-05	5.573E-03
ENSG00000236922.9	AC092661.1	-0.339	6.062E-05	5.729E-03
ENSG00000157326.18	DHRS4	-0.232	6.252E-05	5.873E-03
ENSG00000254685.6	FPGT	0.127	6.340E-05	5.921E-03
ENSG00000148296.6	SURF6	0.082	6.488E-05	5.989E-03
ENSG00000124491.15	F13A1	-0.324	6.452E-05	5.989E-03
ENSG00000228049.7	POLR2J2	0.394	6.587E-05	6.045E-03
ENSG00000278970.1	CTC-205M6.3	-0.108	6.663E-05	6.079E-03
ENSG00000275464.4	CH507-9B2.5	-0.434	6.906E-05	6.265E-03
ENSG00000126005.16	RP4-614O4.5	-0.114	7.082E-05	6.389E-03
ENSG00000198523.5	PLN	-0.452	7.323E-05	6.568E-03
ENSG00000250138.4	RP11-848G14.5	-0.491	7.596E-05	6.775E-03
ENSG00000276550.4	HERC2P2	-0.332	7.669E-05	6.802E-03
ENSG00000008128.22	CDK11A	0.168	7.901E-05	6.969E-03

ENSG00000261402.1	RP11-378I6.1	0.236	8.011E-05	7.027E-03
ENSG00000118690.12	ARMC2	-0.092	8.113E-05	7.065E-03
ENSG00000204054.13	RP11-492E3.1	-0.139	8.143E-05	7.065E-03
ENSG00000249158.6	PCDHA11	0.162	9.099E-05	7.851E-03
ENSG00000152377.13	SPOCK1	0.099	9.175E-05	7.874E-03
ENSG00000215559.8	C21orf81	0.589	9.325E-05	7.960E-03
ENSG00000148680.15	HTR7	0.240	9.544E-05	8.072E-03
ENSG00000095303.14	PTGS1	-0.292	9.559E-05	8.072E-03
ENSG00000175772.10	AC112229.7	-0.229	1.003E-04	8.422E-03
ENSG00000095539.15	SEMA4G	0.241	1.039E-04	8.681E-03
ENSG00000065978.18	YBX1	0.267	1.046E-04	8.688E-03
ENSG00000275778.1	PRH1-PRR4	0.191	1.051E-04	8.688E-03
ENSG00000169836.4	TACR3	0.288	1.124E-04	9.244E-03
ENSG00000265107.2	GJA5	-0.394	1.149E-04	9.403E-03
ENSG00000120539.14	MASTL	0.117	1.168E-04	9.480E-03
ENSG00000175787.16	ZNF169	-0.092	1.170E-04	9.480E-03
ENSG00000104219.12	ZDHHC2	0.120	1.203E-04	9.695E-03
ENSG00000273136.6	NBPF26	-0.214	1.219E-04	9.776E-03
ENSG00000167210.16	LOXHD1	-0.275	1.240E-04	9.893E-03
ENSG00000110077.14	MS4A6A	-0.491	1.288E-04	1.022E-02
ENSG00000204822.6	MRPL53	-0.112	1.305E-04	1.031E-02
ENSG00000177519.3	RPRM	0.339	1.315E-04	1.034E-02
ENSG00000112214.10	FHL5	-0.306	1.326E-04	1.037E-02
ENSG00000175170.14	FAM182B	0.307	1.356E-04	1.050E-02
ENSG00000008988.9	RPS20	-0.099	1.352E-04	1.050E-02
ENSG00000205809.9	KLRC2	0.510	1.365E-04	1.052E-02
ENSG00000138772.12	ANXA3	-0.224	1.421E-04	1.090E-02
ENSG00000260793.2	RP5-882C2.2	-0.188	1.449E-04	1.106E-02
ENSG00000146038.11	DCDC2	-0.155	1.471E-04	1.112E-02
ENSG00000181444.12	ZNF467	-0.218	1.468E-04	1.112E-02
ENSG00000148655.14	C10orf11	-0.211	1.503E-04	1.121E-02
ENSG00000114654.7	EFCC1	-0.251	1.498E-04	1.121E-02
ENSG00000090382.6	LYZ	-0.494	1.504E-04	1.121E-02
ENSG00000179698.13	WDR97	-0.323	1.575E-04	1.168E-02
ENSG00000173442.12	EHBP1L1	-0.128	1.619E-04	1.195E-02
ENSG00000278834.1	RP11-458J1.1	0.132	1.635E-04	1.202E-02
ENSG00000186792.16	HYAL3	0.165	1.643E-04	1.202E-02
ENSG00000136830.11	FAM129B	-0.134	1.660E-04	1.203E-02
ENSG00000178038.16	ALS2CL	-0.331	1.656E-04	1.203E-02
ENSG00000175183.9	CSRP2	0.278	1.674E-04	1.206E-02
ENSG00000254715.3	OR7E154P	-0.507	1.678E-04	1.206E-02
ENSG00000179277.9	MEIS3P1	-0.202	1.701E-04	1.217E-02
ENSG00000276256.1	LOC389831	0.487	1.751E-04	1.247E-02
ENSG00000271254.6	LOC102724250	0.195	1.812E-04	1.279E-02
ENSG00000141452.9	C18orf8	0.080	1.812E-04	1.279E-02

ENSG00000145908.12	ZNF300	0.311	1.825E-04	1.282E-02
ENSG00000168772.10	CXXC4	0.165	1.861E-04	1.302E-02
ENSG00000284116.1	RP11-204M4.4	0.226	1.875E-04	1.306E-02
ENSG00000187624.8	C17orf97	0.148	1.896E-04	1.314E-02
ENSG00000272515.1	RP11-29P20.1	0.185	1.971E-04	1.357E-02
ENSG00000204920.10	ZNF155	0.100	1.975E-04	1.357E-02
ENSG00000154099.17	DNAAF1	-0.173	2.006E-04	1.373E-02
ENSG00000270607.1	RP11-359E10.1	-0.140	2.021E-04	1.377E-02
ENSG00000148690.11	FRA10AC1	0.135	2.083E-04	1.407E-02
ENSG00000090612.20	ZNF268	0.097	2.079E-04	1.407E-02
ENSG00000173114.12	LRRN3	0.117	2.119E-04	1.426E-02
ENSG00000263142.5	RP11-156P1.1	0.296	2.176E-04	1.452E-02
ENSG00000120337.8	TNFSF18	0.269	2.176E-04	1.452E-02
ENSG00000198467.13	TPM2	-0.227	2.191E-04	1.455E-02
ENSG00000157379.13	DHRS1	0.132	2.231E-04	1.476E-02
ENSG00000263753.6	RP11-835E18.2	0.072	2.250E-04	1.482E-02
ENSG00000133433.10	GSTT2B	0.441	2.269E-04	1.488E-02
ENSG00000263001.5	GTF2I	0.054	2.332E-04	1.523E-02
ENSG00000242574.8	HLA-DMB	-0.321	2.358E-04	1.528E-02
ENSG00000185304.14	RGPD2	-0.479	2.356E-04	1.528E-02
ENSG00000138759.18	FRAS1	0.181	2.438E-04	1.573E-02
ENSG00000111671.9	SPSB2	0.178	2.465E-04	1.584E-02
ENSG00000236816.2	ANKRD20A7P	0.342	2.498E-04	1.599E-02
ENSG00000248124.7	RP11-645C24.3	-0.180	2.510E-04	1.600E-02
ENSG00000149591.16	TAGLN	-0.333	2.545E-04	1.616E-02
ENSG00000147316.12	MCPH1	0.054	2.571E-04	1.626E-02
ENSG00000170955.9	PRKCDBP	-0.211	2.623E-04	1.653E-02
ENSG00000155660.10	PDIA4	0.139	2.822E-04	1.771E-02
ENSG00000184838.14	PRR16	0.131	2.882E-04	1.785E-02
ENSG00000136816.15	TOR1B	0.088	2.863E-04	1.785E-02
ENSG00000130348.11	QRSL1	0.079	2.889E-04	1.785E-02
ENSG00000100243.20	CYB5R3	-0.084	2.882E-04	1.785E-02
ENSG00000167705.11	RILP	-0.183	2.928E-04	1.801E-02
ENSG00000172269.18	DPAGT1	0.071	2.953E-04	1.805E-02
ENSG00000105656.12	ELL	-0.083	2.955E-04	1.805E-02
ENSG00000125630.15	POLR1B	0.079	2.978E-04	1.812E-02
ENSG00000276128.1	RP11-459O16.8	0.256	3.040E-04	1.835E-02
ENSG00000077943.7	ITGA8	0.165	3.037E-04	1.835E-02
ENSG00000180398.11	MCFD2	-0.089	3.059E-04	1.840E-02
ENSG00000272189.1	RP3-325F22.5	0.185	3.088E-04	1.850E-02
ENSG00000108622.10	ICAM2	-0.267	3.154E-04	1.882E-02
ENSG00000183726.10	TMEM50A	0.078	3.170E-04	1.885E-02
ENSG00000188629.11	ZNF177	0.155	3.202E-04	1.897E-02
ENSG00000134202.10	GSTM3	0.175	3.289E-04	1.920E-02
ENSG00000133519.12	ZDHHC8P	0.161	3.287E-04	1.920E-02

ENSG00000137814.10	HAUS2	0.068	3.265E-04	1.920E-02
ENSG00000160712.12	IL6R	-0.174	3.273E-04	1.920E-02
ENSG00000168497.4	SDPR	-0.270	3.361E-04	1.955E-02
ENSG00000136108.14	CKAP2	0.086	3.387E-04	1.962E-02
ENSG00000248275.1	CTC-338M12.3	-0.160	3.460E-04	1.998E-02
ENSG00000205659.10	LIN52	0.060	3.496E-04	2.011E-02
ENSG00000115138.10	POMC	0.342	3.522E-04	2.019E-02
ENSG00000197256.10	KANK2	-0.154	3.544E-04	2.024E-02
ENSG00000136546.13	SCN7A	0.176	3.856E-04	2.194E-02
ENSG00000259994.1	RP11-305E6.4	-0.119	3.885E-04	2.203E-02
ENSG00000167178.15	ISLR2	0.285	3.962E-04	2.239E-02
ENSG00000151655.18	ITIH2	-0.384	3.982E-04	2.242E-02
ENSG00000159461.14	AMFR	-0.057	4.056E-04	2.259E-02
ENSG00000141994.15	DUS3L	-0.104	4.039E-04	2.259E-02
ENSG00000107719.8	PALD1	-0.163	4.051E-04	2.259E-02
ENSG00000213203.2	GIMAP1	-0.245	4.079E-04	2.264E-02
ENSG00000197653.15	DNAH10	0.278	4.194E-04	2.298E-02
ENSG00000259823.5	LYPD8	0.272	4.197E-04	2.298E-02
ENSG00000215790.6	SLC35E2A	-0.190	4.198E-04	2.298E-02
ENSG00000204257.14	HLA-DMA	-0.279	4.173E-04	2.298E-02
ENSG00000177133.10	RP1-163G9.1	-0.166	4.248E-04	2.318E-02
ENSG00000111843.13	TMEM14C	0.126	4.349E-04	2.359E-02
ENSG00000188986.6	NELFB	-0.067	4.353E-04	2.359E-02
ENSG00000175084.11	DES	-0.351	4.396E-04	2.374E-02
ENSG00000111331.12	OAS3	0.316	4.419E-04	2.378E-02
ENSG00000234665.8	RP11-262H14.3	0.648	4.496E-04	2.387E-02
ENSG00000160221.16	GATD3	0.519	4.494E-04	2.387E-02
ENSG00000182963.9	GJC1	0.230	4.487E-04	2.387E-02
ENSG00000203877.8	RIPPLY2	0.088	4.477E-04	2.387E-02
ENSG00000224687.1	RP11-21M7.1	-0.148	4.574E-04	2.421E-02
ENSG00000166788.9	SAAL1	0.080	4.591E-04	2.422E-02
ENSG00000050344.8	NFE2L3	0.455	4.695E-04	2.467E-02
ENSG00000184402.14	SS18L1	0.066	4.725E-04	2.467E-02
ENSG00000136869.13	NTLR4	-0.214	4.717E-04	2.467E-02
ENSG00000183474.15	GTF2H2C	0.133	4.898E-04	2.541E-02
ENSG00000076003.4	MCM6	0.108	4.883E-04	2.541E-02
ENSG00000167720.12	SRR	0.109	4.916E-04	2.542E-02
ENSG00000267640.6	CTD-2554C21.2	0.185	4.965E-04	2.559E-02
ENSG00000155858.5	LSM11	0.153	5.021E-04	2.580E-02
ENSG00000184470.20	TXNRD2	-0.079	5.092E-04	2.608E-02
ENSG00000105821.14	DNAJC2	0.061	5.165E-04	2.637E-02
ENSG00000205517.12	RGL3	-0.206	5.292E-04	2.693E-02
ENSG00000131620.17	ANO1	-0.144	5.375E-04	2.726E-02
ENSG00000181195.10	PENK	0.365	5.461E-04	2.761E-02
ENSG00000183688.4	RFLNB	-0.205	5.571E-04	2.808E-02

ENSG00000139537.10	CCDC65	0.165	5.611E-04	2.819E-02
ENSG00000166664.13	CHRFAM7A	-0.219	5.689E-04	2.849E-02
ENSG00000203875.10	SNHG5	-0.119	5.806E-04	2.899E-02
ENSG00000092108.20	SCFD1	0.063	5.857E-04	2.915E-02
ENSG00000159374.17	M1AP	-0.181	5.928E-04	2.941E-02
ENSG00000160949.16	TONSL	0.133	5.984E-04	2.960E-02
ENSG00000184584.12	TMEM173	-0.187	6.031E-04	2.973E-02
ENSG00000204764.13	RANBP17	0.131	6.077E-04	2.987E-02
ENSG00000258405.9	ZNF578	0.203	6.097E-04	2.987E-02
ENSG00000204677.10	FAM153C	-0.185	6.167E-04	3.013E-02
ENSG00000124279.11	FASTKD3	0.065	6.188E-04	3.014E-02
ENSG00000089101.17	CFAP61	0.143	6.222E-04	3.021E-02
ENSG00000137343.17	ATAT1	0.120	6.317E-04	3.039E-02
ENSG00000204152.10	TIMM23B	-0.106	6.314E-04	3.039E-02
ENSG00000165643.10	SOHLH1	-0.194	6.308E-04	3.039E-02
ENSG00000184990.12	SIVA1	-0.085	6.355E-04	3.048E-02
ENSG00000113231.13	PDE8B	-0.081	6.575E-04	3.144E-02
ENSG00000232229.5	RP11-248C1.2	0.247	6.818E-04	3.231E-02
ENSG00000161791.13	FMNL3	-0.131	6.811E-04	3.231E-02
ENSG00000175899.14	A2M	-0.224	6.810E-04	3.231E-02
ENSG00000242715.7	CCDC169	0.178	6.896E-04	3.258E-02
ENSG00000124789.11	NUP153	0.041	6.954E-04	3.276E-02
ENSG00000257057.2	C11orf97	-0.211	6.989E-04	3.283E-02
ENSG00000138400.12	MDH1B	0.136	7.014E-04	3.285E-02
ENSG00000234284.6	ZNF879	0.075	7.160E-04	3.334E-02
ENSG00000231389.7	HLA-DPA1	-0.368	7.141E-04	3.334E-02
ENSG00000091664.7	SLC17A6	0.187	7.253E-04	3.367E-02
ENSG00000136943.10	CTSV	0.398	7.393E-04	3.409E-02
ENSG00000075234.16	TTC38	0.193	7.379E-04	3.409E-02
ENSG00000075336.11	TIMM21	-0.074	7.429E-04	3.409E-02
ENSG00000188997.7	KCTD21	-0.102	7.417E-04	3.409E-02
ENSG00000167553.15	TUBA1C	0.348	7.562E-04	3.436E-02
ENSG00000276087.1	RP11-507M3.1	0.187	7.575E-04	3.436E-02
ENSG00000196329.11	GIMAP5	-0.226	7.551E-04	3.436E-02
ENSG00000170160.17	CCDC144A	-0.285	7.561E-04	3.436E-02
ENSG00000167384.10	ZNF180	0.062	7.677E-04	3.472E-02
ENSG00000120071.13	KANSL1	-0.110	7.768E-04	3.504E-02
ENSG00000272573.5	MUSTN1	-0.268	7.805E-04	3.510E-02
ENSG00000158716.8	DUSP23	0.187	7.910E-04	3.548E-02
ENSG00000167775.10	CD320	-0.089	7.943E-04	3.552E-02
ENSG00000112763.15	BTN2A1	0.071	7.973E-04	3.555E-02
ENSG00000237636.2	RP11-385E5.8	0.403	8.148E-04	3.606E-02
ENSG00000128699.13	ORMDL1	0.062	8.153E-04	3.606E-02
ENSG00000169291.9	SHE	-0.182	8.146E-04	3.606E-02
ENSG00000240344.8	PPIL3	-0.134	8.200E-04	3.616E-02

ENSG00000154040.20	CABYR	-0.112	8.230E-04	3.619E-02
ENSG00000242687.2	—	0.217	8.280E-04	3.621E-02
ENSG00000132967.9	AC121253.1	0.159	8.280E-04	3.621E-02
ENSG00000198142.4	SOWAHC	0.226	8.351E-04	3.632E-02
ENSG00000247157.6	RP11-434C1.1	0.160	8.330E-04	3.632E-02
ENSG00000146221.9	TCTE1	0.161	8.392E-04	3.640E-02
ENSG00000162552.14	WNT4	0.276	8.513E-04	3.683E-02
ENSG00000158292.6	GPR153	0.235	8.613E-04	3.705E-02
ENSG00000136698.8	CFC1	-0.210	8.598E-04	3.705E-02
ENSG00000161981.10	SNRNP25	-0.110	8.672E-04	3.721E-02
ENSG00000254505.9	CHMP4A	-0.093	8.738E-04	3.739E-02
ENSG00000246375.2	RP11-10L7.1	0.428	8.774E-04	3.740E-02
ENSG00000183323.12	CCDC125	0.099	8.786E-04	3.740E-02
ENSG00000106018.13	VIPR2	-0.183	8.879E-04	3.769E-02
ENSG00000115421.12	PAPOLG	0.063	8.905E-04	3.770E-02
ENSG00000219481.10	NBPF1	0.149	8.955E-04	3.781E-02
ENSG00000196172.9	ZNF681	0.102	8.994E-04	3.788E-02
ENSG00000162873.14	KLHDC8A	0.184	9.066E-04	3.791E-02
ENSG00000185163.9	DDX51	0.118	9.075E-04	3.791E-02
ENSG00000245848.2	CEBPA	-0.127	9.065E-04	3.791E-02
ENSG00000213614.9	HEXA	-0.069	9.117E-04	3.799E-02
ENSG00000136059.14	VILL	-0.122	9.185E-04	3.807E-02
ENSG00000144810.15	COL8A1	-0.327	9.183E-04	3.807E-02
ENSG00000167772.11	ANGPTL4	-0.459	9.221E-04	3.812E-02
ENSG00000263535.2	AK4P1	0.384	9.514E-04	3.841E-02
ENSG00000228999.2	AC068490.1	0.321	9.495E-04	3.841E-02
ENSG00000272808.3	RP11-66B24.7	0.313	9.374E-04	3.841E-02
ENSG00000240891.7	PLCXD2	0.141	9.491E-04	3.841E-02
ENSG00000148950.9	IMMP1L	0.099	9.483E-04	3.841E-02
ENSG00000160679.12	CHTOP	0.068	9.533E-04	3.841E-02
ENSG00000145782.12	ATG12	0.055	9.524E-04	3.841E-02
ENSG00000104870.12	FCGRT	-0.149	9.525E-04	3.841E-02
ENSG00000167693.16	NXN	-0.157	9.360E-04	3.841E-02
ENSG00000132840.9	BHMT2	-0.227	9.391E-04	3.841E-02
ENSG00000075223.13	SEMA3C	0.184	9.756E-04	3.902E-02
ENSG00000143324.13	XPR1	0.121	9.759E-04	3.902E-02
ENSG00000196369.11	SRGAP2B	0.097	9.728E-04	3.902E-02
ENSG00000162627.16	SNX7	0.100	9.817E-04	3.915E-02
ENSG00000167272.10	POP5	0.081	9.840E-04	3.915E-02
ENSG00000180730.4	SHISA2	0.281	9.972E-04	3.949E-02
ENSG00000114331.13	ACAP2	0.095	9.979E-04	3.949E-02
ENSG00000141258.12	SGSM2	-0.085	1.002E-03	3.949E-02
ENSG00000107796.13	ACTA2	-0.286	1.002E-03	3.949E-02
ENSG00000048545.13	GUCA1A	0.275	1.009E-03	3.966E-02
ENSG00000168826.15	ZBTB49	0.075	1.015E-03	3.970E-02

ENSG00000227827.3	RP11-958N24.2	-0.735	1.015E-03	3.970E-02
ENSG00000099998.17	GGT5	-0.263	1.021E-03	3.981E-02
ENSG00000112182.14	BACH2	0.178	1.059E-03	4.109E-02
ENSG00000173436.13	MINOS1	-0.104	1.057E-03	4.109E-02
ENSG00000173805.15	HAP1	-0.199	1.069E-03	4.140E-02
ENSG00000177406.4	RP11-218M22.1	-0.118	1.080E-03	4.173E-02
ENSG00000041515.15	MYO16	0.298	1.092E-03	4.187E-02
ENSG00000164035.9	EMCN	-0.193	1.087E-03	4.187E-02
ENSG00000112619.7	PRPH2	-0.254	1.091E-03	4.187E-02
ENSG00000164649.19	CDCA7L	0.182	1.099E-03	4.204E-02
ENSG00000105339.10	DENND3	-0.153	1.103E-03	4.209E-02
ENSG00000115267.5	IFIH1	0.211	1.108E-03	4.217E-02
ENSG00000158966.13	CACHD1	-0.099	1.115E-03	4.236E-02
ENSG00000204842.14	ATXN2	0.034	1.122E-03	4.250E-02
ENSG00000167491.17	GATAD2A	-0.077	1.125E-03	4.253E-02
ENSG00000095485.17	CWF19L1	-0.079	1.128E-03	4.256E-02
ENSG00000167136.6	ENDOG	-0.105	1.140E-03	4.288E-02
ENSG00000120318.15	ARAP3	-0.162	1.144E-03	4.295E-02
ENSG00000163395.16	IGFN1	-0.287	1.157E-03	4.333E-02
ENSG00000197728.9	RPS26	0.189	1.165E-03	4.347E-02
ENSG00000230461.8	RP11-478J18.1	-0.182	1.166E-03	4.347E-02
ENSG00000260563.3	RP13-516M14.1	-0.148	1.179E-03	4.383E-02
ENSG00000256982.1	CTD-2555A7.2	0.166	1.191E-03	4.394E-02
ENSG00000253106.1	RP11-158K1.3	0.113	1.191E-03	4.394E-02
ENSG00000116406.18	EDEM3	0.059	1.193E-03	4.394E-02
ENSG00000128294.15	TPST2	-0.096	1.189E-03	4.394E-02
ENSG00000260743.1	RP11-255C15.3	0.172	1.203E-03	4.411E-02
ENSG00000168491.9	CCDC110	0.162	1.202E-03	4.411E-02
ENSG00000116005.11	PCYOX1	0.056	1.229E-03	4.492E-02
ENSG00000091428.17	RAPGEF4	-0.120	1.231E-03	4.492E-02
ENSG00000101335.9	MYL9	-0.259	1.235E-03	4.497E-02
ENSG00000215241.3	RP11-266K4.9	-0.217	1.251E-03	4.544E-02
ENSG00000124508.16	BTN2A2	0.198	1.277E-03	4.627E-02
ENSG00000224957.5	AC090044.1	0.251	1.280E-03	4.630E-02
ENSG00000133110.14	POSTN	0.296	1.286E-03	4.634E-02
ENSG00000273024.6	INTS4L2	0.182	1.288E-03	4.634E-02
ENSG00000165996.13	HACD1	0.121	1.293E-03	4.634E-02
ENSG00000237248.4	RP11-118B22.2	-0.168	1.293E-03	4.634E-02
ENSG00000164880.15	INTS1	-0.086	1.302E-03	4.655E-02
ENSG00000149761.8	NUDT22	-0.085	1.311E-03	4.659E-02
ENSG00000127585.11	FBXL16	-0.120	1.312E-03	4.659E-02
ENSG00000230417.11	LINC00595	-0.122	1.309E-03	4.659E-02
ENSG00000188818.12	ZDHHC11	0.365	1.335E-03	4.705E-02
ENSG00000196756.11	RP4-564F22.2	0.202	1.336E-03	4.705E-02
ENSG00000276449.1	AC004076.5	0.176	1.328E-03	4.705E-02

ENSG00000165661.16	QSOX2	0.067	1.332E-03	4.705E-02
ENSG00000172954.13	LCLAT1	0.064	1.345E-03	4.714E-02
ENSG00000214485.6	CTB-13H5.1	-0.141	1.345E-03	4.714E-02
ENSG00000080802.18	CNOT4	0.038	1.381E-03	4.821E-02
ENSG00000179546.4	HTR1D	-0.202	1.382E-03	4.821E-02
ENSG00000101294.16	HM13	0.048	1.385E-03	4.824E-02
ENSG00000096063.15	SRPK1	0.085	1.392E-03	4.835E-02
ENSG00000005075.15	POLR2J	-0.120	1.402E-03	4.859E-02
ENSG00000168071.21	CCDC88B	-0.133	1.405E-03	4.859E-02
ENSG00000185829.17	ARL17A	-0.200	1.419E-03	4.897E-02
ENSG00000283156.1	RP11-646I6.3	-0.180	1.427E-03	4.914E-02
ENSG00000047188.15	YTHDC2	0.064	1.437E-03	4.919E-02
ENSG00000125843.10	AP5S1	-0.061	1.438E-03	4.919E-02
ENSG00000130748.6	TMEM160	-0.115	1.438E-03	4.919E-02
ENSG00000154175.16	ABI3BP	0.287	1.447E-03	4.939E-02
ENSG00000119599.16	DCAF4	-0.082	1.450E-03	4.939E-02
ENSG00000122012.13	SV2C	0.154	1.459E-03	4.961E-02
ENSG00000175287.18	PHYHD1	-0.215	1.467E-03	4.977E-02
ENSG00000006062.14	MAP3K14	-0.111	1.471E-03	4.981E-02
ENSG00000133574.9	GIMAP4	-0.187	1.479E-03	4.994E-02
ENSG00000196628.15	TCF4	0.073	1.482E-03	4.995E-02