

gene_name	baseMean	log2FoldChan	lfcSE	stat	pvalue	padj
IFI6	9687.03539	5.99178221	0.32230329	18.4324445	7.21E-76	9.69E-72
MX1	6696.67445	5.92380077	0.38136948	15.1388336	8.98E-52	4.02E-48
ISG15	20935.7335	5.87030789	0.33118509	17.4519817	3.32E-68	2.98E-64
OAS2	838.605513	5.86419845	0.39426423	14.6695169	1.01E-48	3.39E-45
BST2	2325.13849	5.84101388	0.4072109	13.9300281	4.16E-44	1.02E-40
HERC5	1483.71691	5.44831937	0.36771553	14.4347365	3.13E-47	8.40E-44
SLC15A3	132.846276	5.16000502	0.39853915	12.1987593	3.16E-34	4.46E-31
IFIT1	4153.87088	5.15065769	0.42622789	12.2328445	2.08E-34	3.10E-31
IFIT3	4547.89993	5.0402315	0.41333306	11.8188647	3.12E-32	3.99E-29
OASL	814.833991	5.0144581	0.42004425	11.7378395	8.15E-32	9.52E-29
DDX60	765.075519	4.93459358	0.36745047	13.3302387	1.54E-40	2.96E-37
IFI27	6422.11419	4.84515243	0.42154478	11.1155053	1.05E-28	1.05E-25
MX2	1570.56873	4.84402007	0.35019152	13.5474446	8.20E-42	1.69E-38
RSAD2	3813.87089	4.81450817	0.42697013	11.0127377	3.32E-28	3.07E-25
RTP4	133.300624	4.49692779	0.41185773	10.5324674	6.12E-26	4.98E-23
OAS3	1378.67746	4.41755894	0.30020946	14.575323	4.03E-48	1.20E-44
DHX58	68.1746272	4.39501504	0.36166623	11.7607486	6.22E-32	7.59E-29
BISPR	51.9945478	4.33083103	0.39245864	10.4550346	1.39E-25	1.10E-22
EPSTI1	1797.33941	4.32680043	0.2836548	15.1737244	5.28E-52	2.83E-48
CMPK2	732.498659	4.29163724	0.41429634	10.0172541	1.28E-23	8.81E-21
DDX58	1431.04777	4.28208456	0.35071403	12.130831	7.25E-34	9.73E-31
LINC02574	24.0593039	4.26750504	0.39106547	9.93256388	3.00E-23	2.02E-20
PARP10	116.339463	4.2474735	0.37461588	11.1060957	1.17E-28	1.12E-25
SAMD9	1008.88378	4.18925402	0.42675756	9.83866593	7.67E-23	5.02E-20
BATF2	103.729475	4.17282105	0.42881474	9.32361132	1.12E-20	6.42E-18
HELZ2	767.683216	4.13601269	0.3249442	12.7079986	5.34E-37	9.55E-34
DDX60L	1046.70134	4.11274939	0.38743365	10.5725617	3.99E-26	3.35E-23
IFI44	676.021098	4.004263	0.42831916	9.09670374	9.31E-20	4.81E-17
AC116407.2	82.9630696	3.97234415	0.33486873	11.6889572	1.45E-31	1.62E-28
AC068989.1	19.5357109	3.96635295	0.39362223	9.30059198	1.40E-20	7.81E-18
IFIT2	5185.11001	3.94095946	0.43743433	9.01013304	2.06E-19	1.00E-16
PSMB9	588.919202	3.93348531	0.43074618	8.93620741	4.03E-19	1.93E-16
IFI44L	1938.50484	3.89976298	0.42999802	9.01038768	2.05E-19	1.00E-16
IMMP1LP2	12.0242343	3.81214679	0.39205566	8.57574891	9.84E-18	4.33E-15
NRIR	11.2825323	3.79991641	0.38686689	8.58824174	8.83E-18	3.95E-15
IFIH1	1455.41515	3.76503147	0.42359982	8.83415488	1.01E-18	4.75E-16
XAF1	398.180672	3.7611488	0.4385783	9.39341483	5.81E-21	3.63E-18
IRF1-AS1	231.333064	3.75582632	0.29798291	12.6189614	1.66E-36	2.62E-33
STAT1	4088.50142	3.67863848	0.17457852	21.0708226	1.47E-98	3.96E-94
NLRC5	71.4520779	3.62790273	0.39588911	9.11505207	7.86E-20	4.14E-17
IRF7	531.61633	3.51537529	0.37316719	9.36027365	7.95E-21	4.74E-18
HERC6	363.989577	3.5123116	0.34042196	10.2227785	1.57E-24	1.11E-21
CCDC194	4.37455915	3.49682716	0.41992932	7.69982264	1.36E-14	4.63E-12
UBE2L6	833.939652	3.44471081	0.40044414	8.74627004	2.21E-18	1.02E-15
GBP4	240.984081	3.40608664	0.4347755	8.22341663	1.98E-16	7.93E-14
IFNL1	673.407244	3.39913801	0.4374602	8.02243065	1.04E-15	3.87E-13
HSH2D	165.271513	3.3979158	0.40872615	8.10197004	5.41E-16	2.14E-13

TMEM140	80.991142	3.39141821	0.40794586	8.04590805	8.56E-16	3.28E-13
CCL5	734.222783	3.39122194	0.43694005	8.30820744	9.72E-17	3.95E-14
CXCL9	29.5727944	3.39042404	0.43577944	7.49577601	6.59E-14	2.08E-11
ETV7	161.582324	3.38291303	0.43104361	8.0236513	1.03E-15	3.87E-13
AC009950.1	105.960361	3.37133645	0.43203084	7.85872483	3.88E-15	1.39E-12
AC083862.2	15.3342051	3.37075377	0.42423679	7.38318503	1.55E-13	4.66E-11
AL357054.4	29.2738607	3.33741354	0.43455077	7.31136292	2.64E-13	7.63E-11
AL445490.1	6.41283348	3.33703252	0.40226842	7.35186971	1.95E-13	5.83E-11
IFI35	526.768669	3.33155649	0.43277502	7.61724141	2.59E-14	8.59E-12
AC067945.1	21.8562741	3.3225083	0.35172155	9.18400277	4.15E-20	2.23E-17
IFITM1	340.255149	3.31799954	0.43066559	7.63698364	2.22E-14	7.46E-12
PARP12	322.964249	3.31599841	0.35472056	9.37514238	6.91E-21	4.22E-18
OAS1	1893.8819	3.28938701	0.43023638	7.52257149	5.37E-14	1.72E-11
HLA-F	96.2789175	3.26971447	0.43867454	7.79439692	6.47E-15	2.29E-12
AC104837.1	7.475628	3.24832276	0.43486146	6.95641385	3.49E-12	9.56E-10
LGALS9	209.212882	3.23740641	0.41187962	7.79040086	6.68E-15	2.33E-12
AC069528.2	32.0760509	3.23394329	0.31151992	10.234032	1.40E-24	1.01E-21
TAP1	785.738852	3.22727807	0.42456915	7.71996184	1.16E-14	4.01E-12
SAMHD1	804.095164	3.21326109	0.30832448	10.3804398	3.04E-25	2.27E-22
IFIT5	707.058763	3.20599139	0.25320255	12.6485556	1.14E-36	1.91E-33
IFIT1B	14.3699083	3.19281705	0.43028855	6.9002366	5.19E-12	1.35E-09
ZBP1	30.785465	3.15892505	0.43355969	6.90088853	5.17E-12	1.35E-09
EXOC3L1	20.0100228	3.15464349	0.41558166	7.31188921	2.63E-13	7.63E-11
IFNL3	124.733413	3.10777092	0.43639599	7.59891877	2.99E-14	9.76E-12
SHFL	778.083134	3.1003129	0.41499599	7.43471706	1.05E-13	3.27E-11
USP18	648.137805	3.09079392	0.43663904	7.39284754	1.44E-13	4.38E-11
APOL3	6.7070645	3.07132878	0.40996892	6.91886711	4.55E-12	1.21E-09
IRF9	343.164982	3.03992268	0.20385893	14.8977664	3.41E-50	1.31E-46
AP000648.9	4.6110881	3.02210767	0.43132853	6.60502105	3.97E-11	9.12E-09
IFNL2	143.861548	3.01917853	0.4357429	7.24425335	4.35E-13	1.24E-10
TRIM14	276.900249	3.00692515	0.37008034	8.05228882	8.13E-16	3.16E-13
APOBEC3G	74.0320249	2.95576869	0.41730965	7.07609628	1.48E-12	4.10E-10
USP30-AS1	38.4681661	2.94585635	0.43118152	6.89940278	5.22E-12	1.35E-09
UBA7	23.0058384	2.94326351	0.42786129	6.6685061	2.58E-11	6.03E-09
TAP2	334.307259	2.93701743	0.40647891	7.21346113	5.45E-13	1.54E-10
AC007750.1	12.2722941	2.91814014	0.43807516	6.26692797	3.68E-10	7.72E-08
SAMD9L	246.74281	2.8944642	0.43155095	7.33561586	2.21E-13	6.51E-11
AL590648.1	7.58030358	2.87740913	0.42827103	6.21102015	5.26E-10	1.08E-07
HMGB1P3	14.5021499	2.85879616	0.40464619	6.75741299	1.40E-11	3.46E-09
CD274	75.7831993	2.85858561	0.42710069	6.84165058	7.83E-12	1.98E-09
CXCL11	422.1385	2.85819001	0.43404	6.7911991	1.11E-11	2.76E-09
SP110	829.465898	2.84446329	0.43603354	6.62428249	3.49E-11	8.08E-09
LINC01127	4.62201719	2.80128931	0.41336769	6.18022634	6.40E-10	1.29E-07
AC124319.3	20.9237912	2.79150583	0.30572539	9.08229742	1.06E-19	5.39E-17
EIF2AK2	3452.00542	2.79041522	0.17289246	16.1410471	1.31E-58	8.81E-55
AC083862.3	100.681318	2.78609034	0.36856792	7.59754803	3.02E-14	9.76E-12
AC104837.2	20.3325507	2.78337183	0.4384086	6.25782343	3.90E-10	8.12E-08
ATP10A	35.9638515	2.77046757	0.35281611	7.8678829	3.61E-15	1.31E-12

RNF213	2812.75212	2.74388487	0.29639928	9.32854846	1.07E-20	6.26E-18
FAP	88.9913935	2.74157561	0.43215779	6.33083651	2.44E-10	5.32E-08
SYNPO2	40.0992966	2.71624168	0.42627629	6.41513585	1.41E-10	3.15E-08
CCL4	59.1502276	2.71369574	0.43883781	5.88324245	4.02E-09	7.20E-07
PRAL	10.2647846	2.7107836	0.43849439	5.9975798	2.00E-09	3.80E-07
RN7SL834P	13.374564	2.65912784	0.41648742	6.13235997	8.66E-10	1.72E-07
AC015849.7	7.69749744	2.65561918	0.4376927	5.94196577	2.82E-09	5.18E-07
GMPR	216.173059	2.64269623	0.38677029	6.82741305	8.65E-12	2.17E-09
APOL1	199.475492	2.62453761	0.43020172	6.0428314	1.51E-09	2.92E-07
ZNFX1	604.96123	2.61117418	0.30412993	8.56720989	1.06E-17	4.59E-15
AC124319.1	109.765111	2.60996286	0.32841829	8.00004568	1.24E-15	4.57E-13
AL136985.3	7.7870745	2.58996463	0.42927822	5.98138421	2.21E-09	4.13E-07
AL512641.1	4.16341875	2.58580285	0.43640005	5.57193784	2.52E-08	4.03E-06
TMPRSS11B	5.563586	2.5802829	0.42345254	5.70787002	1.14E-08	1.91E-06
IFIT6P	8.20397193	2.57993643	0.43530419	5.573065	2.50E-08	4.03E-06
PLSCR1	2252.7134	2.57965022	0.40149005	6.29280868	3.12E-10	6.70E-08
PTGIR	4.9989221	2.5760154	0.41548748	5.86773862	4.42E-09	7.80E-07
AL590434.2	16.7549783	2.56869147	0.38073295	6.58433575	4.57E-11	1.04E-08
PLAAT2	70.9339483	2.54082776	0.43715319	5.99687837	2.01E-09	3.80E-07
AIFM1P1	4.38277087	2.54002102	0.43609691	5.57211221	2.52E-08	4.03E-06
LAP3	2191.27901	2.5348742	0.29672512	8.54008051	1.34E-17	5.72E-15
ISG20	2789.34472	2.53003206	0.40162979	6.29076353	3.16E-10	6.73E-08
HLA-B	1479.82601	2.5186081	0.43741559	6.21799925	5.04E-10	1.04E-07
PPM1K	806.596199	2.51778709	0.22368636	11.2451914	2.45E-29	2.53E-26
AL137781.1	5.0429262	2.4896023	0.43303279	5.37734479	7.56E-08	1.13E-05
AL772284.1	3.32734009	2.47887816	0.43653847	5.37392801	7.70E-08	1.15E-05
PNPT1	1529.63063	2.47489494	0.23083694	10.7195533	8.24E-27	7.37E-24
IFNB1	380.11884	2.45951085	0.42247705	6.93312525	4.12E-12	1.12E-09
PARP9	983.406795	2.45942621	0.39373163	6.37734328	1.80E-10	4.00E-08
AL133163.1	3.9591539	2.4415448	0.42695563	5.35053115	8.77E-08	1.29E-05
PLSCR2	10.8370083	2.43516089	0.41466303	5.86108061	4.60E-09	8.07E-07
SP100	1357.16338	2.42927602	0.42193433	5.67073683	1.42E-08	2.36E-06
AP000432.2	4.6626683	2.42528987	0.40998555	5.60018379	2.14E-08	3.48E-06
NOS2	43.3358285	2.40251074	0.43736017	5.28491084	1.26E-07	1.82E-05
IFITM3	7539.28256	2.38433922	0.3945792	5.95480492	2.60E-09	4.82E-07
RASGRP3	157.145567	2.38122081	0.42169766	5.50657943	3.66E-08	5.71E-06
IL4I1	34.8712272	2.3595417	0.43526086	5.34845832	8.87E-08	1.29E-05
PIK3AP1	93.0309246	2.35775727	0.43846163	5.35737378	8.44E-08	1.25E-05
GBP1	636.294632	2.34419574	0.43458236	5.26255086	1.42E-07	1.99E-05
FAM216B	3.69442508	2.34028167	0.4383468	5.20824239	1.91E-07	2.58E-05
DTX3L	1191.6105	2.33684067	0.37852704	6.1714408	6.77E-10	1.36E-07
PML	424.122493	2.31529748	0.27787985	8.3184022	8.92E-17	3.68E-14
ANKRD26P1	2.51221089	2.29419981	0.43810489	5.06687861	4.04E-07	5.05E-05
AC018644.1	4.96461481	2.29187363	0.43718795	5.27731718	1.31E-07	1.86E-05
AL591468.1	7.24282792	2.28827983	0.43598589	5.36358354	8.16E-08	1.21E-05
TRIM69	276.533826	2.28632081	0.27220481	8.37519991	5.51E-17	2.31E-14
GNB4	156.956081	2.28396452	0.3724837	6.08316779	1.18E-09	2.31E-07
AL591222.1	22.0379697	2.28278184	0.43545301	5.27397739	1.33E-07	1.89E-05

AC020651.2	4.93019235	2.26869932	0.43563987	4.90151033	9.51E-07	0.00011199
APOL2	306.575018	2.26257157	0.37453152	6.01747944	1.77E-09	3.40E-07
TMPRSS11BN	3.15117192	2.26178025	0.43723791	4.85703073	1.19E-06	0.00013672
CRX	7.89488844	2.2616761	0.35303949	6.32130598	2.59E-10	5.62E-08
IDO1	84.6108822	2.24832211	0.42518622	5.41597768	6.10E-08	9.30E-06
PSMB8-AS1	28.1794089	2.23534032	0.43375743	5.10031952	3.39E-07	4.29E-05
LST1	10.2631539	2.22665422	0.43672265	4.8753758	1.09E-06	0.00012622
MIR7515HG	3.95254846	2.22639879	0.43810805	4.89984123	9.59E-07	0.00011245
LINC01358	9.4650091	2.22047151	0.43007956	5.14794478	2.63E-07	3.47E-05
PARP14	4097.61663	2.21506208	0.42601318	5.130972	2.88E-07	3.78E-05
TDRD7	247.180371	2.19548645	0.19218329	11.4184373	3.38E-30	3.63E-27
MLKL	85.9973075	2.19245373	0.41853897	5.11853262	3.08E-07	3.99E-05
CD38	62.1564041	2.19131679	0.43860414	4.88411135	1.04E-06	0.00012128
IRF1	988.055179	2.18514998	0.33372691	6.54451628	5.97E-11	1.35E-08
NMI	553.224305	2.17292263	0.43375305	4.83472825	1.33E-06	0.00015104
PATL2	10.4343964	2.1682599	0.4202953	5.07156117	3.95E-07	4.95E-05
ZC3HAV1	1723.40345	2.15616512	0.36191689	5.98288516	2.19E-09	4.12E-07
APOBEC3A	19.3564022	2.15451135	0.43836358	5.24673284	1.55E-07	2.13E-05
FBXO6	134.814783	2.15345068	0.40447484	5.32060665	1.03E-07	1.50E-05
TRIM25	881.022552	2.15317714	0.24652502	8.72223545	2.73E-18	1.24E-15
PLEKHG7	21.2739357	2.14935987	0.37378309	5.76665272	8.09E-09	1.38E-06
SLC16A12-AS	3.76286501	2.1480323	0.42772251	4.82689066	1.39E-06	0.00015644
AC020983.1	3.8493114	2.1437582	0.43790346	4.65815116	3.19E-06	0.00032821
AC015849.6	10.1778132	2.14295876	0.43855447	5.01332555	5.35E-07	6.56E-05
TMEM213	28.0854274	2.14201212	0.41812347	5.28040336	1.29E-07	1.84E-05
WARS1	1711.17469	2.12776184	0.40261969	5.27242415	1.35E-07	1.89E-05
AL590068.3	3.07089073	2.11795615	0.4370974	4.67135306	2.99E-06	0.00031381
AL359552.1	2.42934075	2.11060325	0.43687905	4.60290916	4.17E-06	0.00041124
AL356234.1	2.5030431	2.10033749	0.43256122	4.62365489	3.77E-06	0.00037913
MOBP	11.8233356	2.09888167	0.43819278	4.65318923	3.27E-06	0.00033365
AC007899.1	4.47107424	2.0979393	0.39856578	5.12150559	3.03E-07	3.95E-05
IFITM2	538.652706	2.09682422	0.41946093	5.15406827	2.55E-07	3.37E-05
AC093503.3	8.54503447	2.0928155	0.37607724	5.45308526	4.95E-08	7.59E-06
CKAP2P1	19.2648817	2.09089715	0.43682458	4.64349659	3.43E-06	0.00034837
OR52K1	9.64172546	2.08881358	0.43814695	4.75146393	2.02E-06	0.00021775
RBM11	60.1615366	2.07036988	0.41780567	4.99257331	5.96E-07	7.24E-05
AL158064.1	6.95636661	2.0691549	0.38785509	5.25522845	1.48E-07	2.06E-05
AL356981.1	2.13427509	2.06675093	0.43795505	4.51621358	6.30E-06	0.00058893
MAP3K19	13.2792041	2.06156975	0.40784934	5.10183389	3.36E-07	4.28E-05
C17orf67	93.525992	2.05673403	0.38825398	5.40179267	6.60E-08	1.00E-05
PPEF2	11.3052809	2.05615182	0.43861738	4.73509534	2.19E-06	0.00023514
APOL4	30.7624004	2.05464358	0.43834172	4.72725973	2.28E-06	0.00024342
AL137073.1	3.15182754	2.04630102	0.43832985	4.57224439	4.83E-06	0.00046769
APOL6	1143.23487	2.04476548	0.4385249	4.47583388	7.61E-06	0.00069983
HEATR9	23.3044774	2.04338096	0.43244041	5.75872312	8.48E-09	1.44E-06
LINC02362	22.61911	2.02653852	0.32064977	6.33481405	2.38E-10	5.23E-08
GCG	19.2022975	2.02478657	0.43823888	5.49607705	3.88E-08	6.03E-06
AC010319.1	3.04572774	2.01901507	0.43537911	4.75793571	1.96E-06	0.00021173

SP140	9.95574177	2.01659122	0.43167061	5.23457003	1.65E-07	2.25E-05
LY6E-DT	3.5966852	2.01320872	0.43266494	4.51729454	6.26E-06	0.00058798
AC107067.2	9.49044549	2.01190244	0.43659844	4.78758921	1.69E-06	0.0001865
SP140L	249.274762	2.01015272	0.38210826	5.23578785	1.64E-07	2.25E-05
AL157871.3	36.070271	2.00623499	0.43296427	4.59228722	4.38E-06	0.00043116
HLA-DOB	4.56004156	2.00376012	0.41867565	4.61703056	3.89E-06	0.00038852
TNFSF13B	79.8272279	2.002245	0.43721315	4.66280067	3.12E-06	0.00032335
OR5AU1	27.2018296	1.99828891	0.43291775	4.41776528	9.97E-06	0.00088658
HES4	1033.22851	1.98506919	0.34106419	5.86996434	4.36E-09	7.75E-07
H3N2-PB2	20248.747	1.98026641	0.41541005	6.92836907	4.26E-12	1.14E-09
PHF11	529.140479	1.97983648	0.20602134	9.61215934	7.10E-22	4.54E-19
ART3	2.98801958	1.97439627	0.42384642	4.45057992	8.56E-06	0.00077155
TLR3	148.285391	1.97272468	0.42843837	4.58747888	4.49E-06	0.00043959
GBP1P1	30.6300222	1.96815125	0.43399992	5.51846765	3.42E-08	5.40E-06
HLA-E	2277.9724	1.95487026	0.31813389	6.18691966	6.14E-10	1.25E-07
AC092066.1	5.36843014	1.95259211	0.41557944	4.81137522	1.50E-06	0.00016768
AC007342.3	1.79416988	1.94082487	0.43264234	4.34931075	1.37E-05	0.00118275
AC090377.1	7.59292893	1.936451	0.43010018	4.3243493	1.53E-05	0.0012916
LINC00837	2.53124574	1.91800607	0.43814743	4.15096449	3.31E-05	0.00253241
TNFSF10	2189.5752	1.91733501	0.43632218	4.19008145	2.79E-05	0.00219551
RNF213-AS1	112.298059	1.91667716	0.32583035	5.91044547	3.41E-09	6.19E-07
MS4A2	3.46240993	1.90837422	0.43304679	4.30891453	1.64E-05	0.00137644
STAT2	579.141129	1.90295393	0.2676221	7.13090043	9.97E-13	2.79E-10
SLC25A28	255.5835	1.89816266	0.28328799	6.70698196	1.99E-11	4.76E-09
RN7SL827P	26.8515572	1.88896857	0.32645861	5.78243579	7.36E-09	1.28E-06
CR1L	4.28721321	1.88781982	0.43600314	4.00029317	6.33E-05	0.00432192
AL355834.1	2.02340675	1.8795276	0.42514711	4.10853414	3.98E-05	0.00293689
LDHC	13.6756052	1.87596307	0.39328219	4.82018132	1.43E-06	0.00016112
AL138778.1	3.35777789	1.86942794	0.40193963	4.56638352	4.96E-06	0.0004775
LINC02701	25.1778779	1.86721045	0.43716856	4.14998731	3.32E-05	0.00253602
AC003071.1	3.75325173	1.86662644	0.42501557	4.43366295	9.26E-06	0.00082636
AP001042.3	1.6198014	1.8656834	0.43769412	4.18138385	2.90E-05	0.00227455
AC093677.1	4.40886164	1.86532169	0.42520163	4.25110571	2.13E-05	0.00173062
AC006160.1	13.833926	1.86285694	0.36087326	5.19914719	2.00E-07	2.70E-05
OR52K3P	40.9226329	1.85922339	0.43342565	4.66093631	3.15E-06	0.00032504
CFB	25.3176263	1.85795144	0.43029628	4.28740963	1.81E-05	0.00149332
RN7SL364P	15.4952354	1.85404766	0.31170686	5.90926009	3.44E-09	6.19E-07
KLHDC7B	12.5057021	1.85097887	0.41051824	5.17304815	2.30E-07	3.06E-05
OGFR	562.663291	1.83974042	0.19999144	9.19800811	3.65E-20	2.00E-17
SLFN5	1166.87586	1.83771439	0.33728914	5.52346301	3.32E-08	5.28E-06
SECTM1	64.2170235	1.83660334	0.43657194	4.16211489	3.15E-05	0.00243964
KIF4B	4.16417866	1.83606972	0.43229648	4.23675085	2.27E-05	0.00181206
AC099791.4	3.38975804	1.83535521	0.43485567	4.05253023	5.07E-05	0.00358918
AC108134.2	193.187298	1.82990246	0.3685047	5.05591065	4.28E-07	5.32E-05
TNFSF14	11.8714026	1.82886605	0.43418288	4.36987913	1.24E-05	0.00108364
SRD5A3-AS1	23.2984481	1.82835567	0.42243839	4.47739317	7.56E-06	0.00069713
RABGAP1L-IT1	22.7584679	1.82541813	0.31242409	5.81865427	5.93E-09	1.03E-06
HMGB1P14	8.29432152	1.82445134	0.42607719	4.29192416	1.77E-05	0.00147233

MRLN	13.0003325	1.82420658	0.42272208	4.34193578	1.41E-05	0.00121533
HCP5	28.5271303	1.82246004	0.4385318	4.28279781	1.85E-05	0.00151994
SCAT1	2.60230898	1.81158839	0.42143831	4.14744328	3.36E-05	0.00255709
AC068305.2	6.19357594	1.81066792	0.43857169	4.10946378	3.97E-05	0.00293315
MSH4	4.25899536	1.80847464	0.40540392	4.4524618	8.49E-06	0.00076739
THEMIS2	14.4906	1.80590081	0.40686115	4.4698929	7.83E-06	0.0007171
LINC02054	3.09802909	1.80577106	0.43581937	3.99434898	6.49E-05	0.00441548
RPL12P6	6.28600504	1.80574126	0.41887591	4.20653224	2.59E-05	0.00204771
SERPING1	178.370958	1.80545095	0.39870052	4.69292852	2.69E-06	0.00028468
KLRC1	2.86574998	1.80539346	0.43828114	4.04340678	5.27E-05	0.00372199
AL590068.4	2.23074879	1.79587825	0.43252477	3.98382438	6.78E-05	0.00454039
AC011816.1	5.03411014	1.79441347	0.43820487	3.99230399	6.54E-05	0.00442515
MT1M	14.1175986	1.79175876	0.40947402	4.48596967	7.26E-06	0.00067197
RPS7P2	3.27651094	1.79141667	0.43312783	3.93480239	8.33E-05	0.00537381
AP000648.3	4.06105171	1.789715	0.42708113	4.12070179	3.78E-05	0.00280915
C2CD6	3.1951706	1.78930763	0.43276933	4.07595833	4.58E-05	0.00331351
RPS6P8	3.75631507	1.77992689	0.43384846	3.94370195	8.02E-05	0.00524113
LINC01285	20.0055686	1.77890742	0.32482305	5.49407611	3.93E-08	6.06E-06
SOCS1	324.022992	1.77492424	0.37768167	4.7091602	2.49E-06	0.00026396
KRT18P35	4.40889353	1.7728299	0.43764156	4.01095369	6.05E-05	0.00415244
ST13P16	1.35684324	1.76627469	0.43310041	3.98400981	6.78E-05	0.00454039
OOEP	3.92446221	1.75724731	0.43813987	3.80478145	0.00014193	0.00828374
AC105749.1	14.9979318	1.75715513	0.42886656	4.06393678	4.83E-05	0.00344539
RPL23AP90	2.04501093	1.75559329	0.42832451	3.91676246	8.97E-05	0.0057506
TBX1	8.47073329	1.75427734	0.43753338	4.25351199	2.10E-05	0.00171732
AC110615.1	11.4490087	1.7501545	0.40635726	4.51234068	6.41E-06	0.0005977
TULP2	4.90499921	1.74550015	0.43847085	4.06699932	4.76E-05	0.00341862
AL445928.2	7.15468414	1.74242839	0.4378883	4.08872841	4.34E-05	0.00318174
AL078599.3	5.95346493	1.7322289	0.38890816	4.39283363	1.12E-05	0.00098486
AL353135.2	46.2419	1.73009807	0.41052459	4.33367538	1.47E-05	0.00125382
ADAR	2263.12357	1.72708524	0.12704677	13.5973988	4.15E-42	9.28E-39
NEURL3	49.5958744	1.71627223	0.43805286	3.68358765	0.00022997	0.01204352
APOOP4	3.44503705	1.71578111	0.41776606	4.03365315	5.49E-05	0.00384959
AC010624.5	8.36769703	1.71342593	0.36486916	4.68267696	2.83E-06	0.00029812
GHSR	3.58637494	1.70872741	0.43247686	4.13480325	3.55E-05	0.00267921
DAPP1	62.1331223	1.7054258	0.43860973	3.62488391	0.00028909	0.01441217
RN7SL51P	2.78073771	1.70463442	0.4354472	3.75643098	0.00017235	0.00960032
AL451166.1	3.08826333	1.70431703	0.42761816	3.91346936	9.10E-05	0.00578819
TRIM38	1025.59099	1.70287916	0.24724857	6.8766297	6.13E-12	1.57E-09
MARK2P9	3.32641178	1.69900853	0.43800505	3.67605165	0.00023687	0.01237262
BTC	191.148726	1.6986737	0.40659623	4.1634576	3.13E-05	0.00243234
AC136475.5	5.32121265	1.69481113	0.36631629	4.60928458	4.04E-06	0.0004003
RPL23AP65	7.8967571	1.69412852	0.36047454	4.71696514	2.39E-06	0.00025504
IL15RA	23.1460314	1.6939706	0.43337035	4.56975166	4.88E-06	0.00047158
AC092418.2	10.575586	1.69214077	0.38891156	4.32473496	1.53E-05	0.0012916
AC073548.2	19.8281935	1.69047525	0.36480711	4.66399361	3.10E-06	0.00032317
AF127936.1	13.0196749	1.68795196	0.42218254	4.12461654	3.71E-05	0.00277718
LINC01050	1.50122831	1.6871847	0.43079005	3.78274051	0.00015511	0.00882293

AL133163.2	11.0333171	1.68611596	0.43687526	3.91072014	9.20E-05	0.00584064
TGM1	13.7762195	1.67641866	0.4255229	4.02881275	5.61E-05	0.00388909
UNC93B1	398.881594	1.67479296	0.34644232	4.85004003	1.23E-06	0.00014102
PSMB8	730.150082	1.67453	0.43867356	3.90018282	9.61E-05	0.00602267
PPIAL4G	4.11193531	1.6719689	0.39141184	4.21991562	2.44E-05	0.00193554
ANO7L1	2.60640095	1.67175353	0.43059798	3.78903457	0.00015123	0.00869449
PLEKHA4	375.176101	1.65762112	0.42179863	3.95399476	7.69E-05	0.00506992
NT5C3A	1725.91075	1.65519116	0.32532162	5.08109298	3.75E-07	4.73E-05
LINC00486	1.60604735	1.65302582	0.43732471	3.69437968	0.00022042	0.01164951
OR1I1	2.90998913	1.65271982	0.43574359	3.72185745	0.00019776	0.01067521
CSF3	18.0767356	1.6499696	0.43781542	3.60800477	0.00030856	0.01506226
GBP5	10.1613169	1.64843116	0.4191562	3.46294023	0.00053431	0.02266205
FAM71F1	3.65908698	1.64263552	0.41702149	3.87644061	0.000106	0.006542
LINC00114	2.65466077	1.64128733	0.43389604	3.63179975	0.00028145	0.01412413
AL591501.1	1.56260716	1.64022027	0.43762315	3.67083873	0.00024176	0.01255115
AC108039.1	1.78460118	1.63969238	0.41438618	3.76255914	0.00016818	0.00938751
FAM71A	23.3851282	1.6372577	0.36457097	4.57901913	4.67E-06	0.00045609
TNN	1.31097419	1.63696649	0.43495271	3.71866673	0.00020028	0.01077563
AL357520.1	1.99332144	1.63362575	0.42085405	3.73452236	0.00018807	0.01025317
HLA-C	1907.69457	1.63313285	0.42411065	3.6936459	0.00022106	0.01166024
ACSM2B	2.26702901	1.6319774	0.43844294	3.61841761	0.00029641	0.01465564
AC084198.3	2.77164442	1.63191768	0.42408567	3.76360205	0.00016748	0.00937879
AL356234.2	5.25828901	1.63175165	0.43502187	4.05402614	5.03E-05	0.00357573
AC064801.2	20.6911028	1.63098085	0.26007606	6.27142563	3.58E-10	7.56E-08
AL031133.1	7.52444176	1.62752306	0.4215726	3.81943025	0.00013376	0.00792758
CEACAM1	654.706528	1.6273195	0.35919426	4.49148681	7.07E-06	0.00065706
PKHD1L1	2.71056525	1.62618987	0.42422244	3.75580809	0.00017278	0.00960431
DACT3-AS1	1.75065852	1.62300629	0.43688391	3.61202944	0.00030381	0.01488448
NUP210L	7.58009815	1.62211558	0.3961756	4.12085742	3.77E-05	0.00280915
TRANK1	252.7682	1.62200427	0.42710863	3.69955483	0.00021598	0.01143703
TNFRSF9	39.6412106	1.61824595	0.39967227	3.98285161	6.81E-05	0.00454768
TYMP	370.43736	1.61676319	0.4225456	3.90301303	9.50E-05	0.00597337
B2M	23064.5101	1.61673254	0.40382779	3.93651808	8.27E-05	0.00534866
KCNE1	12.591909	1.61181066	0.40004732	3.97856319	6.93E-05	0.00461899
LHFPL3-AS2	11.0520273	1.6116672	0.43314474	3.73428805	0.00018825	0.01025317
SNRPGP1	1.57553325	1.60966741	0.43214985	3.58548382	0.00033645	0.01607316
AC104389.5	8.51961035	1.60452931	0.3573855	4.51832427	6.23E-06	0.00058718
ACKR4	9.68438463	1.60271723	0.38296396	4.16481248	3.12E-05	0.00242495
AL021707.6	39.3695154	1.60133097	0.36061764	4.45359092	8.44E-06	0.00076595
AC103808.1	1.76644536	1.59809364	0.43845077	3.51993255	0.00043166	0.0195103
CACNG8	10.4809676	1.59472041	0.43474345	3.51539505	0.0004391	0.01964827
AL353151.1	2.48535715	1.59443815	0.43426716	3.83796169	0.00012406	0.00745136
ABCD2	2.59177473	1.59399884	0.43159236	3.62273966	0.0002915	0.01449291
AL033384.1	3.05819974	1.59100346	0.4375272	3.47197888	0.00051664	0.02226432
CMYA5	73.2637133	1.59090515	0.31320641	5.11224691	3.18E-07	4.11E-05
TRIM21	255.810435	1.59089568	0.41669702	3.77344814	0.00016101	0.0090839
HLA-DQB2	1.27737471	1.58588765	0.41835767	3.60912856	0.00030723	0.01502448
RPL30P7	2.55497938	1.58519374	0.42427394	3.63284428	0.00028031	0.0140934

DNAH12	20.5456047	1.57635817	0.32861097	4.79628051	1.62E-06	0.00017933
APOBEC3F	108.964746	1.57602619	0.33045016	4.78393326	1.72E-06	0.00018914
CPNE5	4.33412614	1.57557512	0.41573938	3.73900493	0.00018475	0.0101435
CCL20	2070.19884	1.57353821	0.43867324	3.60673458	0.00031007	0.01510868
NCKAP1L	3.06886705	1.56927235	0.43668138	3.46149943	0.00053718	0.02274776
AL645608.7	20.1452396	1.56825239	0.38223672	4.12680464	3.68E-05	0.00275858
TNFAIP2	183.719478	1.56820014	0.41440709	3.78953486	0.00015093	0.00869449
CD68	33.9852792	1.56802373	0.43544553	3.55429445	0.00037899	0.01785131
RPL21P12	1.66978074	1.56674598	0.43302523	3.3821504	0.00071921	0.02766373
AL513493.1	1.35738845	1.56418569	0.4206314	3.4866939	0.00048903	0.02141634
AL049748.1	4.08740986	1.56406396	0.39955122	3.9940195	6.50E-05	0.00441548
CENPUP1	2.94393442	1.56187745	0.43774941	3.63054147	0.00028283	0.01416669
LINC00691	5.39125851	1.5604769	0.43869287	3.40284132	0.00066689	0.02613819
AC116366.2	20.1182242	1.55918788	0.39407385	4.04240124	5.29E-05	0.00372818
HORMAD1	2.6187334	1.5574984	0.42875196	3.59116861	0.0003292	0.01589626
LY6E	1695.4679	1.55736216	0.42941858	3.46089974	0.00053837	0.02276259
RBM43	205.889489	1.55718216	0.35315093	4.37664138	1.21E-05	0.00105744
STARD5	67.9679291	1.55292838	0.42963845	3.53051001	0.00041476	0.01900249
CYP2J2	90.9880229	1.5519336	0.41426197	3.74729221	0.00017875	0.00987486
AC079354.3	2.54321514	1.5490947	0.43304803	3.46977221	0.0005209	0.02241205
SELL	3.99867461	1.54786448	0.43103105	3.48628406	0.00048978	0.02141634
C6orf201	1.37778131	1.54451787	0.43689009	3.52516908	0.00042321	0.01930813
AC079336.5	17.6497094	1.54424225	0.31319571	4.96688729	6.80E-07	8.12E-05
CLEC7A	57.4163399	1.54128352	0.42716505	4.02037685	5.81E-05	0.00400002
HMGB1P40	1.46378904	1.54089043	0.42867682	3.46402246	0.00053216	0.02264261
PCGF5	507.78804	1.53915322	0.27926058	5.51534226	3.48E-08	5.47E-06
PSME2	1806.55429	1.53814487	0.30804548	4.9875397	6.12E-07	7.40E-05
AC009027.1	3.18980227	1.53784013	0.42632256	3.59009557	0.00033056	0.01593319
PRKD2	306.076572	1.53394795	0.22965283	6.68356136	2.33E-11	5.54E-09
MYD88	512.173208	1.53334973	0.30781271	4.96827258	6.76E-07	8.10E-05
LMOD3	26.8810472	1.53234339	0.31083219	4.91716112	8.78E-07	0.00010431
LDHAL6A	3.80644563	1.53088212	0.43461318	3.44434663	0.00057244	0.02377447
AL078604.2	4.74280828	1.53083094	0.43841845	3.51709014	0.00043631	0.01955581
PPM1J	15.7464955	1.52714846	0.38336183	3.99235558	6.54E-05	0.00442515
OR10AB1P	2.50195152	1.52705022	0.43600301	3.49759461	0.00046947	0.02073099
DCLK3	1.44260762	1.52311059	0.424094	3.44451875	0.00057208	0.02377447
LINC00635	1.83599532	1.52111773	0.4369501	3.36775949	0.00075782	0.02885938
OGFR-AS1	3.06671114	1.51956199	0.39163875	3.84285173	0.00012161	0.00733722
LINC02427	8.65404452	1.51945386	0.37380027	4.08451	4.42E-05	0.00322248
LINC02068	2.52124587	1.51800691	0.43655718	3.41524711	0.00063724	0.02552454
TRIM56	1369.08839	1.51764623	0.14568076	10.4281041	1.85E-25	1.42E-22
GSDMB	87.1581101	1.51463844	0.34371625	4.46888058	7.86E-06	0.00071805
CXCL8	4055.68685	1.5121195	0.43318267	3.32268328	0.00089156	0.03237018
AC008760.2	22.7350363	1.50886006	0.43696356	3.41110049	0.00064701	0.02573437
AL021707.1	17.3937953	1.50459814	0.33429272	4.54213283	5.57E-06	0.00053207
AC106712.2	2.85696658	1.50376961	0.40090705	3.58739546	0.000334	0.01598425
AIPL1	2.99462097	1.50371256	0.42801704	3.415625	0.00063636	0.02552454
AL109806.2	3.4769172	1.50247413	0.42889341	3.52468553	0.00042399	0.01930813

AC099343.4	72.9957486	1.50116746	0.34760713	4.34602337	1.39E-05	0.00119675
ADAM5	2.58172505	1.49744221	0.43736123	3.25503848	0.00113377	0.03823575
KIAA0040	149.470577	1.4949975	0.41185786	3.64494552	0.00026745	0.0134971
BTN3A2	92.6268142	1.49160107	0.27741931	5.39725186	6.77E-08	1.02E-05
AC079907.2	3.12778407	1.49073847	0.42561883	3.61233571	0.00030345	0.01488448
AC008875.3	44.9783525	1.49061783	0.41000456	3.58873855	0.00033228	0.01595904
RGS20	23.2754788	1.49014461	0.41542018	3.61992108	0.00029469	0.01459763
AC008780.1	1.83690643	1.48855016	0.40611975	3.42356091	0.00061806	0.02506614
GBP3	451.479723	1.48711782	0.43595636	3.24615475	0.00116975	0.03887384
HMGB1P45	3.52240243	1.48604779	0.42983748	3.27473556	0.00105761	0.03660534
PLAAT4	217.09585	1.48398032	0.43058491	3.50727404	0.00045272	0.02014647
KIAA2012-AS1	3.63010961	1.48256823	0.40739803	3.6175385	0.00029742	0.01467846
AC106800.3	1.8256589	1.4789219	0.43816644	3.19725304	0.00138743	0.04372038
CLEC2B	57.4486431	1.47674675	0.43668871	3.77233162	0.00016173	0.0090839
AC021205.1	2.64876913	1.47518086	0.4371049	3.56016223	0.00037063	0.01751859
SUSD3	13.3795449	1.47168	0.39975797	3.72671788	0.00019399	0.01050046
HESX1	37.3877642	1.47151978	0.38179322	3.89474927	9.83E-05	0.0061376
AL161909.2	1.75942436	1.4708466	0.41992591	3.14943797	0.00163585	0.04863705
AC093001.2	5.47834493	1.46851667	0.43412934	3.41281556	0.00064295	0.02564939
SELE	5.28716073	1.46848741	0.43013269	3.33143448	0.000864	0.03164608
MIR155HG	17.8770573	1.46727042	0.43470936	3.35015201	0.00080767	0.03039782
DUOXA2	813.437845	1.46631278	0.43220936	3.22334411	0.00126703	0.04128536
CMTR1	313.835573	1.46434487	0.13690174	10.7022167	9.94E-27	8.61E-24
GRIP2	21.8308304	1.46372444	0.3707691	3.90682417	9.35E-05	0.00592158
FBXO40	2.29695019	1.4625623	0.43659247	3.41351414	0.00064131	0.02562179
RPSAP47	3.16610813	1.46058202	0.43835895	3.28460049	0.00102127	0.03570192
NOL8P1	1.80618314	1.45738488	0.43826761	3.31328166	0.00092208	0.03300803
U62317.4	27.506785	1.45390893	0.43328803	3.20454237	0.00135277	0.04291113
AC103858.1	5.05196453	1.45335061	0.43788846	3.45175623	0.00055695	0.02336408
ELOVL3	1.83577193	1.45264367	0.43686594	3.24621036	0.00116952	0.03887384
RPL7P4	13.9611804	1.45183292	0.41614169	3.7994256	0.00014503	0.00842817
AL137786.1	6.00583113	1.44823722	0.42619346	3.62703654	0.00028669	0.01433357
AL603832.2	2.49284552	1.4404428	0.43210443	3.27914566	0.00104122	0.03621068
LHFPL4	46.6540183	1.43869914	0.38378514	3.78648396	0.00015279	0.00872811
AC022916.2	6.07356743	1.43865948	0.36687254	3.95323741	7.71E-05	0.00507354
LINC00309	25.3855109	1.43842855	0.41138211	3.44584391	0.00056928	0.02373293
C5AR1	8.0505084	1.43836792	0.38007867	3.86598545	0.00011064	0.00678197
TNFAIP3	699.523188	1.43813737	0.36607908	3.86820038	0.00010964	0.00673606
AL034417.4	47.0648377	1.43774467	0.34757866	4.33522403	1.46E-05	0.001249
AC007342.5	2.36838149	1.43519912	0.43806717	3.2620364	0.00110615	0.03754475
AC068860.1	19.421766	1.43200201	0.4070459	3.54711769	0.00038947	0.01818226
RN7SL336P	12.0641983	1.43042407	0.37932902	3.80924606	0.00013939	0.00815332
OR5BA1P	8.58630594	1.42990345	0.41559285	3.46922708	0.00052196	0.02242165
AP000253.1	6.77565924	1.42984235	0.4003916	3.53280285	0.00041118	0.01890297
TMEM229B	7.68017118	1.4212632	0.43820869	3.30287033	0.00095701	0.03394149
LINC00880	5.29451186	1.42090107	0.37870487	3.75083563	0.00017625	0.00975641
KCNB1	32.4799765	1.42042093	0.37410065	4.0683734	4.73E-05	0.00340764
RPS15AP32	1.12583262	1.41995313	0.42146609	3.22792985	0.0012469	0.04082518

AC005921.5	2.82666879	1.4198067	0.43504983	3.22231879	0.00127158	0.04138093
CCDC190	4.51099752	1.41939383	0.3848227	3.67041245	0.00024216	0.01255115
OPTN	1280.11682	1.41889847	0.35222078	4.0320365	5.53E-05	0.00386608
BTN3A1	64.5244111	1.41861181	0.31133695	4.57541147	4.75E-06	0.00046234
AL354919.1	1.84647058	1.41704983	0.43722171	3.31131322	0.00092859	0.03317286
KCNA7	6.34531742	1.41669988	0.43654033	3.17845071	0.00148064	0.04558753
AC005840.1	2.11651777	1.41651327	0.42558589	3.44179006	0.00057788	0.02383239
AC015849.1	19.5488198	1.4165104	0.42168968	3.66284022	0.00024943	0.0128224
AMPD1	2.36849926	1.41531791	0.43519726	3.18886217	0.00142834	0.04443576
LGALS3BP	2152.05009	1.41235469	0.3767306	3.81142028	0.00013817	0.0081173
RBCK1	1010.25449	1.40943894	0.25119845	5.61802976	1.93E-08	3.16E-06
AL592146.2	2.59546839	1.4074273	0.42389425	3.26035051	0.00111275	0.0376734
CPHL1P	2.99970101	1.40617683	0.43844351	3.14427645	0.00166498	0.04901303
CNR2	2.85067609	1.40606048	0.41148962	3.37754356	0.00073136	0.02797101
AL512378.1	5.59984024	1.4058162	0.41099267	3.43418275	0.00059434	0.02441184
AL137918.1	11.268577	1.40328414	0.42381917	3.53515872	0.00040753	0.01886444
ICAM2	5.73150138	1.39820975	0.40054837	3.40640572	0.00065824	0.02595081
NUPR1	25.3906	1.39815526	0.42300215	3.50148183	0.00046268	0.02046457
SETP16	2.58359089	1.39236732	0.40737135	3.26609093	0.00109043	0.0371994
BLZF1	480.250667	1.39219071	0.22835075	6.09822367	1.07E-09	2.12E-07
AC018737.2	4.24477005	1.39105095	0.39601859	3.51781714	0.00043511	0.01955581
CARD16	18.1054346	1.39103775	0.40638355	3.45826182	0.00054367	0.02291448
NUB1	902.848258	1.39053464	0.29994508	4.64105885	3.47E-06	0.00035118
AL353751.1	3.3191626	1.38824679	0.43288237	3.14765835	0.00164584	0.04879987
AL355304.1	20.170469	1.38554911	0.34563647	4.03041348	5.57E-05	0.00387271
KIF25	6.13589548	1.38519475	0.38977297	3.55108772	0.00038364	0.01800705
INGX	7.6338166	1.38349545	0.33646892	4.12878151	3.65E-05	0.00274264
EEF1GP5	3.58193426	1.38263779	0.42647789	3.56707505	0.00036099	0.0171389
AC027544.3	2.29572257	1.38189908	0.42779662	3.34670136	0.00081779	0.03057015
NCOA7	2091.35268	1.37713601	0.4311664	3.20399303	0.00135536	0.04291113
AC020931.1	1.69172668	1.3682327	0.41835354	3.18620467	0.00144153	0.04464183
RPS24P16	2.36978717	1.36760266	0.42640226	3.62466297	0.00028934	0.01441217
AL357515.1	6.26615053	1.36694468	0.43578696	3.17198672	0.001514	0.04634875
AC009220.2	6.38973295	1.365474	0.43385909	3.36616349	0.00076222	0.02898577
LINC00243	2.7658195	1.365224	0.42099133	3.27854601	0.00104343	0.03624075
AL390719.3	3.48397718	1.36477967	0.42363094	3.26558727	0.00109237	0.03721833
RGS22	3.72714859	1.36317402	0.43397833	3.42690945	0.00061049	0.02487178
C8orf31	47.4501033	1.36134529	0.23849081	5.71880691	1.07E-08	1.80E-06
AC131944.1	2.0349529	1.36078641	0.4074867	3.2706439	0.00107303	0.03694223
RNU5A-8P	7.98342601	1.36039226	0.36200521	3.77267592	0.00016151	0.0090839
LYSMD2	22.6969366	1.3587294	0.43829833	3.48136252	0.00049887	0.02163757
AL354809.1	5.93580656	1.35851273	0.43388803	3.24346747	0.00118084	0.03913984
GSG1	3.79336662	1.35669804	0.42935099	3.16091056	0.00157277	0.0473382
RABGAP1L	787.507914	1.35362539	0.27667443	4.90267141	9.45E-07	0.00011182
ODF3B	70.1462081	1.35225474	0.43233746	3.40660255	0.00065777	0.02595081
U62317.1	18.9357561	1.35111682	0.42884569	3.27574738	0.00105383	0.03655448
OR52P1P	1.67736555	1.35002654	0.4156013	3.19311769	0.00140746	0.04404123
TRIM5	619.073254	1.3483496	0.27082548	4.98644872	6.15E-07	7.40E-05

PMAIP1	1432.26195	1.34661826	0.40642068	3.41070134	0.00064796	0.02573437
RN7SL382P	7.60062723	1.34646547	0.43438161	3.31716535	0.00090936	0.03268332
LINC01191	5.98592046	1.34232106	0.38145606	3.51185619	0.00044499	0.01987863
OR52K2	4.46392896	1.34188342	0.4210721	3.40348454	0.00066532	0.02611485
LAMP3	444.687972	1.34008244	0.43002763	3.7523431	0.00017519	0.00971795
OFD1P17	6.32562337	1.33653336	0.40985044	3.33252475	0.00086062	0.03156541
JAK2	122.333465	1.33339965	0.3824697	3.53870892	0.00040209	0.01864471
LINC01918	6.511969	1.33236705	0.4191316	3.21953931	0.00128397	0.0416328
SMG7-AS1	13.8320141	1.3320134	0.35079087	3.83905481	0.00012351	0.0074349
CASP7	631.900099	1.32489399	0.25207681	5.25368644	1.49E-07	2.06E-05
PLA1A	77.7681682	1.32418996	0.43123546	3.34826191	0.0008132	0.03045693
DACT3	27.3230942	1.32298123	0.37486296	3.48776535	0.00048708	0.02136765
TRAPPC3L	4.59492111	1.3229564	0.43836484	3.23587135	0.00121272	0.03990087
AL136295.2	9.97988701	1.32263076	0.32410579	4.08488453	4.41E-05	0.00322248
CDK18	60.3884198	1.32094654	0.3851127	3.46742231	0.00052548	0.02250075
AL592078.2	10.657936	1.31999793	0.4381313	3.18886406	0.00142833	0.04443576
FAM124A	7.34169847	1.31386983	0.38771271	3.38487918	0.0007121	0.02754806
AC078860.2	3.08066841	1.31278736	0.42205995	3.18618684	0.00144161	0.04464183
PSME2P2	20.244993	1.30512872	0.33766497	3.81998933	0.00013346	0.00792758
MOB3C	54.7754777	1.30497774	0.35294432	3.73402126	0.00018845	0.01025317
AP001010.1	1.68445006	1.30488385	0.41129412	3.18794628	0.00143287	0.04452516
AGBL2	16.9338501	1.30429427	0.32348389	4.0362512	5.43E-05	0.0038172
AL355075.4	58.8365333	1.30387079	0.34803498	3.78742515	0.00015222	0.00871367
BTN3A3	30.4018336	1.30198398	0.41433787	3.21553605	0.00130201	0.04192801
VTRNA1-3	164.649296	1.29908242	0.3840226	3.42464098	0.00061561	0.02500448
ERAP2	167.840531	1.29597965	0.41426232	3.14256685	0.00167473	0.04903302
TOR1B	239.444546	1.29393044	0.32828454	3.95886753	7.53E-05	0.00497984
AL021707.7	7.81073378	1.29343075	0.38249303	3.38284027	0.0007174	0.02763393
AC011815.2	21.2569074	1.2876932	0.40759088	3.3275474	0.00087614	0.03200358
NT5C3AP1	17.6274654	1.28639633	0.37388745	3.44293193	0.00057544	0.02380512
AC008079.1	33.7770165	1.28316593	0.27721089	4.61998062	3.84E-06	0.00038446
RNFT1-DT	7.0063816	1.28040038	0.39895688	3.30053628	0.000965	0.03408998
H3N2-PB1	22456.9613	1.27787786	0.37287697	5.18068793	2.21E-07	2.95E-05
AL449283.1	24.2306003	1.27742977	0.34896943	3.65250686	0.00025969	0.01322885
EREG	221.011941	1.27154261	0.35993875	3.48001031	0.00050139	0.02167704
MTCO1P11	10.1970198	1.26867716	0.38047165	3.34053325	0.00083618	0.03105072
SLC2A9	6.56419096	1.26814955	0.39277984	3.2746256	0.00105802	0.03660534
H3N2-HA	110871.642	1.25852206	0.37548747	5.10300823	3.34E-07	4.27E-05
AC018398.1	6.9516883	1.25763151	0.43729151	3.17632352	0.00149155	0.04581808
AC012020.1	49.5570118	1.25695293	0.38193634	3.39470143	0.00068703	0.02669394
MOV10	358.732346	1.25132992	0.21155298	5.92608951	3.10E-09	5.67E-07
AC012459.1	36.7683664	1.24730576	0.34134535	3.65074375	0.00026148	0.01324579
EHD4	902.999107	1.24313824	0.27973446	4.43824798	9.07E-06	0.00081165
ZCCHC2	409.714166	1.23710787	0.21438402	5.77532635	7.68E-09	1.32E-06
AL355512.1	10.7946496	1.23490896	0.39252588	3.15301684	0.00161592	0.04825845
LINC01588	52.9616466	1.23139418	0.29126731	4.24091194	2.23E-05	0.00178944
RAD17P2	54.9239987	1.22943087	0.37169528	3.31767991	0.00090768	0.0326669
IFNA5	4.88077549	1.22186397	0.41508447	3.4069916	0.00065683	0.02595081

SCAMP1-AS1	186.896908	1.21759997	0.18244499	6.67502011	2.47E-11	5.82E-09
AC005593.1	10.4283224	1.21627792	0.41011846	3.19177447	0.00141402	0.04419503
HSPD1P6	5.9805007	1.2145854	0.36312598	3.34974357	0.00080886	0.03039782
TSIX	5.93530957	1.21240148	0.35605633	3.41200815	0.00064486	0.02568732
UNC80	8.69585447	1.20888274	0.38110641	3.14366685	0.00166845	0.04901303
RPS29P14	17.7063432	1.20847825	0.32377233	3.74253115	0.00018218	0.01002266
LINC01138	146.138536	1.20752208	0.37083415	3.25355412	0.00113971	0.03823575
AL136295.17	24.6299536	1.20069957	0.31581772	3.84825924	0.00011896	0.00719334
CNP	655.257247	1.20004389	0.19876207	6.04561646	1.49E-09	2.90E-07
EBF1	4.04861615	1.19777008	0.43767822	3.2461135	0.00116992	0.03887384
HACD4	39.2623675	1.19704124	0.37109309	3.23810904	0.00120325	0.0396378
AL353151.2	12.5104535	1.19673478	0.38620519	3.20949614	0.00132968	0.0423981
AC005899.8	22.9490931	1.19624683	0.37630847	3.23892684	0.0011998	0.03957288
TICAM1	160.431629	1.18855293	0.35250176	3.38097443	0.00072229	0.02772709
MASTL	300.502437	1.18708076	0.28612529	4.15663954	3.23E-05	0.0024845
BBC3	428.417027	1.18670948	0.37035553	3.19055152	0.00142002	0.04433089
ACTN2	7.08948537	1.1846925	0.3856939	3.26347758	0.00110054	0.03744901
CASP8	246.480055	1.18303194	0.32179388	3.65146789	0.00026075	0.01323346
SMCO2	8.52751041	1.17878533	0.33306931	3.56314873	0.00036643	0.01735095
MROH8	44.4157309	1.17126417	0.35097245	3.36214006	0.00077341	0.02932836
LINC00643	3.93713413	1.16407671	0.43185276	3.3367899	0.00084752	0.03134189
TAL2	13.0273658	1.16285238	0.34994377	3.34152766	0.00083319	0.03098256
PAIP1P1	10.5352097	1.16201012	0.31530768	3.69264314	0.00022194	0.01168337
AC005899.6	15.4222931	1.15387492	0.36836192	3.15480673	0.00160604	0.04803983
HMGB1P20	7.81766561	1.15137847	0.37053855	3.14574076	0.00165667	0.04887716
CLDN22	8.72113267	1.14737912	0.42899366	3.19688993	0.00138918	0.04372413
NEXN-AS1	18.3999078	1.13473924	0.35157324	3.24997188	0.00115416	0.03854105
DDR2	23.8384451	1.13145338	0.3144463	3.6170048	0.00029803	0.01468176
MAK	23.0510271	1.13127781	0.24299591	4.663714	3.11E-06	0.00032317
RNU5A-1	32.4770966	1.125237	0.31036277	3.6220941	0.00029223	0.01450228
LINC02609	15.7906087	1.11809539	0.35205072	3.22805448	0.00124635	0.04082518
ITGA10	32.4191895	1.10936894	0.3491282	3.19907533	0.00137869	0.04353387
NAPA	118.020468	1.1091617	0.27637608	4.03099568	5.55E-05	0.00387271
RNU6ATAC	22.5173428	1.10378465	0.32236363	3.41849178	0.00062969	0.02534629
RNU5B-1	18.2197934	1.10328914	0.28552931	3.87744444	0.00010556	0.00653009
TMEM62	347.864488	1.08950665	0.26775931	4.07552159	4.59E-05	0.00331351
XRN1	960.357908	1.08800907	0.29464609	3.69968104	0.00021587	0.01143703
RN7SL587P	8.76185883	1.08509833	0.31401301	3.46793045	0.00052448	0.02249412
RNVU1-25	30.5606104	1.08375862	0.34126515	3.2153028	0.00130307	0.04192801
CACNA1A	76.2743024	1.08288607	0.35590342	3.14326076	0.00167077	0.04901303
GTPBP1	266.611136	1.0779385	0.24222816	4.455281	8.38E-06	0.00076251
ADAMTSL4-AS	47.1335232	1.0681341	0.24591384	4.36710903	1.26E-05	0.00109392
PARP8	244.446476	1.05812384	0.3426445	3.14676312	0.00165089	0.04884849
BCYRN1	544.283028	1.04221557	0.28504769	3.67072912	0.00024186	0.01255115
RN7SL473P	13.909188	1.03432378	0.32965685	3.21767749	0.00129233	0.04184931
FAM122C	73.3449954	1.02816914	0.25958207	3.96451158	7.35E-05	0.00487549
OR4D9	13.8973882	1.02580883	0.30660691	3.3495133	0.00080954	0.03039782
POU2F2	32.4354003	0.98968274	0.30141656	3.3024152	0.00095856	0.03395176

TRAFD1	467.654095	0.97857018	0.31172956	3.14612977	0.00165447	0.04886589
CHMP5	2091.74167	0.97206177	0.2004493	4.84550113	1.26E-06	0.00014367
HLA-A	3475.89938	0.96774648	0.26257341	3.66050995	0.00025171	0.01289697
AC005532.1	28.3909761	0.96001528	0.28926673	3.33526091	0.00085219	0.03138505
RNVU1-31	42.7685753	0.95222674	0.22550099	4.23141505	2.32E-05	0.00185009
IMPA1	602.060647	0.93329163	0.26774243	3.48288061	0.00049605	0.02158499
DNAJA1	4961.33418	0.92886011	0.18186555	5.10778001	3.26E-07	4.19E-05
CASP1	76.7410078	0.92378748	0.33861741	4.11544437	3.86E-05	0.00286602
N4BP1	905.762468	0.92111198	0.24710882	3.73374012	0.00018866	0.01025317
GCNA	19.8580616	0.90862555	0.25792374	3.55536473	0.00037746	0.01781004
GRAMD1C	26.0422591	0.90208192	0.24464556	3.70966694	0.00020753	0.01107718
NOCT	72.263267	0.89618208	0.27419663	3.27046988	0.00107369	0.03694223
ADPRHL2	568.492343	0.8953349	0.18782482	4.766031	1.88E-06	0.00020506
AC096720.2	16.4177215	0.88989657	0.28208742	3.16931435	0.00152799	0.0466025
IL6	7.53509538	0.88241167	0.37928284	3.18103321	0.00146751	0.04523497
ZNF107	246.37885	0.88026142	0.18069605	4.87292538	1.10E-06	0.00012725
AC012358.4	11.8044079	0.87668128	0.27676067	3.20642072	0.00134397	0.04270177
AC009318.1	22.9240248	0.86849197	0.2752072	3.17099333	0.00151919	0.04645457
AL022322.2	14.8555875	0.86740474	0.26186843	3.31976727	0.00090093	0.03255456
MFSD12	385.457882	0.83597097	0.20937884	4.00699868	6.15E-05	0.00421179
BOLA2P3	29.6806638	0.83529678	0.2478544	3.39906657	0.00067616	0.02634777
SPATA1	35.9777454	0.82832345	0.23452535	3.53331999	0.00041038	0.01890297
DCLRE1C	367.248863	0.82012886	0.1215462	6.74784083	1.50E-11	3.66E-09
SPDYA	25.1415835	0.81927887	0.26037454	3.15168421	0.00162332	0.04838196
SCLT1	276.034997	0.80634172	0.25160222	3.20691434	0.00134167	0.04268517
RNU2-63P	358.561966	0.79472257	0.25233419	3.15885152	0.00158392	0.04753418
IFNA2	37.6581034	0.78808339	0.32660145	3.90524767	9.41E-05	0.00593449
MT-TL1	30.9788613	0.78461183	0.24589782	3.18236654	0.00146077	0.04513084
HDX	182.110386	0.78440545	0.21399665	3.66785691	0.00024459	0.0126528
LINC01176	23.6794586	0.78417875	0.25067737	3.16477598	0.00155202	0.04692426
ANKFY1	569.285682	0.75831596	0.11260774	6.73651399	1.62E-11	3.92E-09
DNPEP	443.829079	0.75801712	0.22727663	3.33814493	0.0008434	0.03123246
FMR1	712.638679	0.71237275	0.18682356	3.82007977	0.00013341	0.00792758
DCP1A	800.12603	0.68621148	0.1599848	4.29079545	1.78E-05	0.00147527
GTPBP2	304.212202	0.68533982	0.16426718	4.17224672	3.02E-05	0.00235397
RNF114	832.463457	0.67475744	0.19807506	3.40455261	0.00066273	0.02605102
CXorf38	320.109193	0.67244167	0.17221072	3.9051598	9.42E-05	0.00593449
SCARB2	3515.1551	0.66951767	0.19590175	3.42179579	0.00062209	0.02519137
AZI2	881.01241	0.65357487	0.19307971	3.38392916	0.00071456	0.02760378
C6orf62	1734.08028	0.62684596	0.18861586	3.32374138	0.00088819	0.03231165
AC104162.2	85.265215	0.62012824	0.18157511	3.41495588	0.00063792	0.02552454
BCL2L13	497.949865	0.60135462	0.17056902	3.52448708	0.0004243	0.01930813
WASHC4	902.194434	0.58462593	0.18151522	3.22011059	0.00128141	0.0416328
CREM	465.630052	0.57251993	0.17444362	3.28255851	0.0010287	0.0358681
PHACTR4	1476.7399	0.56637762	0.17026087	3.32794461	0.00087489	0.03200152
WDFY1	876.822867	0.54423188	0.16702952	3.25689571	0.00112638	0.0380869
GPBP1	2049.22681	0.5339549	0.15697699	3.4024343	0.00066788	0.026139
STX17	855.128456	0.53258481	0.09274317	5.74308194	9.30E-09	1.57E-06

UBA6	1129.97352	0.48575441	0.14177262	3.42601308	0.00061251	0.0249162
TLK2	655.616737	0.47030246	0.13661606	3.44369735	0.00057382	0.02377447
ANKIB1	951.726047	0.45729595	0.13335285	3.43189661	0.00059938	0.02453056
RAD9A	174.112375	0.44934939	0.14000346	3.21087131	0.00132333	0.04229628
ZC3H10	111.251658	0.41281812	0.1263788	3.26790177	0.00108348	0.03705638
IFNA1	75.074069	0.38647154	0.23609451	3.29355949	0.00098927	0.03471899
YWHAЕ	7570.76428	-0.22817004	0.06548826	-3.48405176	0.00049388	0.02156065
PPP4R3B	1107.97953	-0.24804441	0.07812566	-3.17436777	0.00150163	0.04607525
PPHLN1	1081.59025	-0.2639441	0.07527276	-3.50654542	0.00045396	0.02014647
COPS2	1475.95889	-0.26737989	0.06789991	-3.93785059	8.22E-05	0.00534456
BTF3	10522.0915	-0.27333189	0.07993817	-3.41863388	0.00062936	0.02534629
BTF3L4	2046.75962	-0.27471128	0.08566351	-3.20687323	0.00134186	0.04268517
UBE2I	3563.04487	-0.27598161	0.08444216	-3.2680257	0.00108301	0.03705638
MRFAP1	2894.49334	-0.2818801	0.08423249	-3.34553841	0.00082123	0.03062275
SVBP	884.685258	-0.28267108	0.08708169	-3.24511969	0.00117401	0.03896155
GSPT1	2210.43959	-0.29186788	0.08497205	-3.4345811	0.00059347	0.02441184
NARS1	1663.15004	-0.29266385	0.08968772	-3.26274532	0.00110339	0.03749837
RPS20	25443.2666	-0.29454388	0.09028568	-3.26167714	0.00110755	0.0375449
ZNF639	541.494418	-0.29533616	0.08672505	-3.40500841	0.00066162	0.02604572
ZNHIT3	1022.58181	-0.30128871	0.09260395	-3.25329522	0.00114075	0.03823575
LSM14A	1443.76489	-0.30291847	0.09563061	-3.16706928	0.00153984	0.04675828
UBE2G1	676.709916	-0.30623259	0.09212782	-3.32387157	0.00088777	0.03231165
BMS1	885.279615	-0.30764514	0.09623303	-3.19614717	0.00139276	0.04373431
UBR3	404.060589	-0.30791962	0.0831711	-3.70116062	0.00021462	0.0114099
RPL15	30107.5531	-0.31086209	0.09216964	-3.3720587	0.00074609	0.02845299
RTCB	897.855964	-0.31414844	0.0992456	-3.16550715	0.00154813	0.04688623
SMARCC2	1039.86291	-0.31566555	0.09353337	-3.37339168	0.00074248	0.02835586
SAFB	1154.00595	-0.31635839	0.10026863	-3.15466682	0.00160681	0.04803983
SAFB2	801.199413	-0.31702534	0.09607867	-3.29885223	0.00097081	0.03420513
POLR2B	1373.56532	-0.31763092	0.06011362	-5.28348857	1.27E-07	1.82E-05
UBQLN2	387.667285	-0.32382209	0.09946937	-3.25418291	0.00113719	0.03823575
CPNE3	1667.54472	-0.32666876	0.09127747	-3.5783992	0.00034571	0.01648578
EIF3M	2671.73317	-0.3304371	0.0871324	-3.79214181	0.00014935	0.00864191
LARS1	1520.29525	-0.33045076	0.10108164	-3.26822309	0.00108225	0.03705638
RTRAF	3739.76512	-0.33407311	0.09801767	-3.40817094	0.000654	0.02593585
NEPRO	423.238003	-0.33459385	0.08432218	-3.96723562	7.27E-05	0.00483205
SLC25A46	467.116982	-0.33552561	0.1013317	-3.3100587	0.00093276	0.03325744
MAEA	439.401681	-0.33748955	0.10170609	-3.31777347	0.00090738	0.0326669
TMEM69	411.885849	-0.338931	0.10451962	-3.24290614	0.00118317	0.03916868
TCP1	1966.64161	-0.33946403	0.10286116	-3.29992491	0.00096711	0.03411943
ZC3H14	864.622008	-0.34046783	0.10601325	-3.21087081	0.00132333	0.04229628
RCE1	204.440894	-0.34296818	0.10675838	-3.21344205	0.00131154	0.04206965
UBE3A	1540.59495	-0.34408314	0.10529564	-3.26658853	0.00108852	0.03718133
TAF11	987.935475	-0.3458059	0.09900163	-3.49330526	0.00047708	0.02103229
NDUFB9	2419.01026	-0.34629326	0.09798446	-3.53209468	0.00041228	0.01892126
KIAA1143	602.999116	-0.34732132	0.10332872	-3.36077704	0.00077724	0.0294319
PSMD5	559.038598	-0.34738859	0.10981977	-3.16257429	0.00156381	0.04717631
VIRMA	588.815972	-0.34990672	0.10749794	-3.25410828	0.00113749	0.03823575

PUM2	876.633171	-0.35085166	0.1017055	-3.44851686	0.00056367	0.02353581
DIDO1	500.132348	-0.35171775	0.10467213	-3.35884044	0.0007827	0.02959718
U2AF2	715.658091	-0.35319905	0.10492377	-3.36552642	0.00076398	0.02901169
HEATR5B	228.354382	-0.35426415	0.11210224	-3.15872845	0.00158459	0.04753418
URI1	1140.17445	-0.35501851	0.11300945	-3.14046585	0.00168679	0.04917159
CCS	511.312688	-0.35510489	0.11203135	-3.1687487	0.00153097	0.0466025
FUNDC2	803.005605	-0.35683336	0.11358295	-3.14063102	0.00168584	0.04917159
SLC30A6	337.338992	-0.35922257	0.11346115	-3.16533967	0.00154902	0.04688623
RPS7	34715.5817	-0.35936614	0.10437943	-3.44238446	0.00057661	0.02381666
FAM13B	436.886196	-0.3625921	0.11443874	-3.16698605	0.00154028	0.04675828
ADNP	1428.0551	-0.36290905	0.10071142	-3.60235241	0.00031535	0.01531018
EIF3D	1655.06877	-0.36580542	0.11134526	-3.28473679	0.00102078	0.03570192
RMND5A	494.616628	-0.36640299	0.11124421	-3.29360623	0.00098911	0.03471899
NUP214	385.317536	-0.36669513	0.1139986	-3.21509718	0.001304	0.04192801
CTR9	779.414465	-0.36857868	0.10516599	-3.5038995	0.0004585	0.02031314
PDCD7	666.070319	-0.36970941	0.11089325	-3.33278053	0.00085983	0.03156541
RPS25	10852.5504	-0.37138338	0.11169119	-3.32461898	0.00088539	0.03229765
RPS23P8	193.388825	-0.37212183	0.11670734	-3.19325867	0.00140677	0.04404123
SMARCB1	1277.62684	-0.37285145	0.11125639	-3.35183089	0.00080279	0.03027151
CSNK2A2	943.405247	-0.37363971	0.0980006	-3.81147903	0.00013814	0.0081173
PCID2	509.691719	-0.37405611	0.11269665	-3.31853158	0.00090492	0.032655
CYHR1	375.423499	-0.37425002	0.09990665	-3.74416449	0.000181	0.00997814
DCTN2	996.834774	-0.37463777	0.11651058	-3.21461109	0.00130621	0.04194883
ARL16	577.730341	-0.37695478	0.10709201	-3.51901053	0.00043316	0.01951253
RACK1	28626.5136	-0.37723538	0.09544	-3.95192615	7.75E-05	0.00508895
POLR1D	3580.05705	-0.3792235	0.12065457	-3.14300558	0.00167223	0.04901303
RRN3	401.884184	-0.38053326	0.11778007	-3.22962677	0.00123952	0.0406829
METTL9	1822.8548	-0.38061921	0.09281025	-4.10083313	4.12E-05	0.00302805
DDX42	1330.78881	-0.38245624	0.1115192	-3.42786362	0.00060835	0.0248222
CIAPIN1	625.769695	-0.38437437	0.12209386	-3.14749173	0.00164678	0.04879987
ZSWIM7	480.288166	-0.38510762	0.11879533	-3.24059118	0.00119282	0.03939098
C8orf33	668.532364	-0.38535099	0.09983654	-3.85945479	0.00011364	0.00693412
ZBED4	460.485488	-0.38696905	0.10776731	-3.58928174	0.00033159	0.01595437
H3-3A	13446.2067	-0.3909411	0.10954927	-3.56853902	0.00035898	0.01708834
DDX50	630.075895	-0.39250179	0.11355956	-3.45547005	0.00054933	0.02311681
PWP1	622.412391	-0.39323378	0.11628958	-3.38061486	0.00072324	0.02772709
RPL13A	42267.3015	-0.39392536	0.09421149	-4.1802667	2.91E-05	0.00227909
RPS3	43023.3823	-0.3940322	0.12351961	-3.18939775	0.0014257	0.04443576
RPL7A	43442.28	-0.39598073	0.12056884	-3.28360564	0.00102488	0.03578159
AZIN1	1126.03705	-0.39884515	0.11422798	-3.491536	0.00048025	0.02113737
GLOD4	1021.22615	-0.39893216	0.11182874	-3.56683698	0.00036132	0.0171389
NOP53	1837.7721	-0.40135811	0.12260069	-3.27145248	0.00106997	0.03694223
RBM15B	851.120693	-0.40177822	0.1115688	-3.60079719	0.00031724	0.01537426
PDZD8	862.91537	-0.40220262	0.10308558	-3.89989288	9.62E-05	0.00602267
KPNA3	888.848128	-0.40221304	0.08675174	-4.63573113	3.56E-06	0.00035899
SCAP	280.369078	-0.40256022	0.12768186	-3.15162173	0.00162366	0.04838196
COX7A2L	2981.729	-0.40411388	0.11265118	-3.58748005	0.00033389	0.01598425
MRPL10	366.152536	-0.40424049	0.12720006	-3.17729699	0.00148655	0.04571686

TCEAL4	2029.06635	-0.40479839	0.0942677	-4.29346241	1.76E-05	0.0014667
EIF2B1	358.20133	-0.40654406	0.12305418	-3.30194201	0.00096018	0.03396428
RABEP1	656.742082	-0.40879465	0.12245289	-3.33600791	0.00084991	0.03135439
ZNF302	279.145984	-0.40954093	0.12318841	-3.3224816	0.00089221	0.03237018
RANBP2	1407.83419	-0.41111152	0.11373216	-3.61368389	0.00030188	0.01484395
RAE1	381.652251	-0.41118553	0.10611042	-3.874115	0.00010701	0.00658964
EIF2B5	374.825398	-0.41324692	0.12502573	-3.30351973	0.00095479	0.03390941
LRRC47	392.415581	-0.41415146	0.12180519	-3.39862931	0.00067724	0.02635168
BOD1	1161.96009	-0.41493375	0.12688896	-3.26985826	0.00107601	0.03694223
ZFH3	2458.30788	-0.41557481	0.10602467	-3.91969824	8.87E-05	0.0056946
MRTFB	458.139335	-0.41569589	0.12660501	-3.28133553	0.00103317	0.03597728
SNRNP200	1516.05194	-0.41717932	0.12823481	-3.25222997	0.00114503	0.03833149
IFT88	349.705762	-0.4183909	0.13241389	-3.15830065	0.00158692	0.04755086
RPS3A	28456.7065	-0.41841813	0.13055578	-3.20426178	0.00135409	0.04291113
CNIH1	1553.89893	-0.4195645	0.10990594	-3.81703613	0.00013506	0.00798724
PRPF8	1264.73028	-0.42061059	0.13216617	-3.18160406	0.00146462	0.0451978
FAHD1	621.079119	-0.42247082	0.12761719	-3.30945236	0.00093479	0.03328535
PTOV1	935.918803	-0.42289103	0.12019702	-3.51721691	0.0004361	0.01955581
USP7	977.020823	-0.42289558	0.08153124	-5.18572253	2.15E-07	2.89E-05
METAP2	2950.95145	-0.42425308	0.10771369	-3.93844399	8.20E-05	0.0053443
MRPL43	945.54134	-0.42870508	0.12858084	-3.3333831	0.00085797	0.03155439
RCAN3	507.602315	-0.43070024	0.11742461	-3.66689215	0.00024552	0.01267619
PSMA3-AS1	755.375742	-0.43300757	0.13770978	-3.14318804	0.00167118	0.04901303
ATMIN	730.71564	-0.43791966	0.13384215	-3.26991529	0.0010758	0.03694223
SRSF6	1145.57317	-0.43824833	0.13193334	-3.32121376	0.00089627	0.03242995
TCEA2	332.46371	-0.44149701	0.13952153	-3.1625619	0.00156387	0.04717631
PPP1R37	178.438632	-0.44185297	0.1318515	-3.34820106	0.00081338	0.03045693
ERLIN2	455.162537	-0.44259911	0.13253837	-3.33917309	0.00084028	0.03116007
MRFAP1L1	794.250918	-0.44298053	0.10051647	-4.40622302	1.05E-05	0.00092898
CUL3	1201.50291	-0.44469263	0.10080887	-4.41090615	1.03E-05	0.00091211
GPN1	313.161051	-0.44512506	0.12643285	-3.51920827	0.00043284	0.01951253
REPS1	358.639085	-0.44623597	0.13954884	-3.1965436	0.00139085	0.0437254
ARMC1	765.883313	-0.44688598	0.12575457	-3.55258472	0.00038147	0.01793626
BRD8	641.8856	-0.44902777	0.14312402	-3.13630854	0.00171089	0.04981996
NDUFA10	1557.81821	-0.44967301	0.14298638	-3.14432813	0.00166469	0.04901303
USF2	661.885689	-0.45274604	0.13015101	-3.47734423	0.00050641	0.02185855
ASF1A	457.036119	-0.4531867	0.13923651	-3.25347383	0.00114003	0.03823575
CDIPT	426.386812	-0.45638186	0.14375821	-3.17324829	0.00150744	0.04620049
NONO	5133.19349	-0.45724096	0.12328428	-3.70845397	0.00020853	0.01110828
WDR70	380.672171	-0.45730755	0.10784908	-4.23954027	2.24E-05	0.00179503
CSPP1	352.525755	-0.45756746	0.14533085	-3.14655583	0.00165206	0.04884849
HNRNPA0	3598.41287	-0.45842107	0.10650467	-4.30386313	1.68E-05	0.00140384
TARS3	403.301338	-0.45851622	0.13400563	-3.42016868	0.00062582	0.02530437
SPAST	385.922402	-0.45974658	0.11304487	-4.06503386	4.80E-05	0.00343837
NFYC	423.19166	-0.45987357	0.14297126	-3.21574597	0.00130106	0.04192801
DDX27	1005.69662	-0.46014166	0.09590825	-4.79705905	1.61E-06	0.00017933
ANKRD39	323.287471	-0.46098086	0.13942171	-3.30350613	0.00095484	0.03390941
DMAP1	306.865741	-0.4619582	0.13014944	-3.5473753	0.00038909	0.01818226

MBTD1	282.405162	-0.46264735	0.1327952	-3.48186928	0.00049793	0.02163161
TRMT61B	211.735832	-0.46325418	0.14740007	-3.14104551	0.00168346	0.04917159
SNX29	118.733128	-0.4636937	0.12445103	-3.72153811	0.00019801	0.01067521
ANAPC13	694.436418	-0.46579557	0.1337889	-3.48004964	0.00050132	0.02167704
EIF2S3	3758.87371	-0.46756415	0.12334102	-3.78985771	0.00015073	0.00869449
SH3GLB2	590.721101	-0.468408	0.1215777	-3.85232664	0.000117	0.00712299
ATP6V1H	747.668574	-0.46970428	0.14161736	-3.31669345	0.0009109	0.0326948
ZMYND11	744.773538	-0.46998455	0.13333232	-3.52289939	0.00042685	0.01939113
RSL24D1	2517.70027	-0.47319312	0.11136039	-4.25015762	2.14E-05	0.00173082
DPH6	179.425495	-0.47364118	0.13661628	-3.46453722	0.00053114	0.02263519
ACBD6	813.616253	-0.47645567	0.13789674	-3.45370976	0.00055293	0.0232318
PMPCB	858.5146	-0.47774173	0.14985968	-3.1870167	0.00143748	0.04461687
TOP2B	1479.13954	-0.47927221	0.14996441	-3.19457818	0.00140035	0.04392137
PITHD1	706.885707	-0.47936326	0.13890399	-3.44980382	0.00056099	0.02346039
ISCA1	646.417012	-0.48018907	0.10572512	-4.54095876	5.60E-06	0.00053314
PI4KA	224.35484	-0.48212767	0.1528458	-3.15084213	0.001628	0.0484575
MRPL51	3396.69509	-0.48533492	0.14308959	-3.39121583	0.00069583	0.0269967
CPSF6	1237.31385	-0.48549316	0.13698172	-3.54322821	0.00039526	0.01835978
MTERF4	437.609854	-0.48671045	0.14036171	-3.46571589	0.00052882	0.02260797
BZW2	1990.95121	-0.48774194	0.13371734	-3.64689099	0.00026543	0.01342059
RPL3	36263.3516	-0.4920976	0.15526341	-3.16897428	0.00152978	0.0466025
SLC38A1	2533.2643	-0.49318239	0.13477009	-3.65789674	0.00025429	0.01299738
R3HCC1	310.991714	-0.49400872	0.13213373	-3.73612979	0.00018687	0.01023918
RPL6	22882.8186	-0.49430761	0.13417322	-3.68342346	0.00023012	0.01204352
CXXC1	243.858617	-0.49437653	0.12720877	-3.88374547	0.00010286	0.00639253
HECTD1	1409.57525	-0.4957407	0.10376056	-4.77670779	1.78E-06	0.00019527
PCBP2	8156.19632	-0.49715728	0.14372578	-3.45996545	0.00054024	0.0228058
CCNB1IP1	1313.22343	-0.49717701	0.13594115	-3.65754572	0.00025464	0.01299738
EIF3F	3449.33868	-0.49738339	0.12463645	-3.99005162	6.61E-05	0.00445256
TBC1D13	184.087027	-0.49804198	0.14452294	-3.44380852	0.00057358	0.02377447
RNF187	559.752953	-0.49948258	0.15489385	-3.22332853	0.0012671	0.04128536
NUMA1	936.503221	-0.49996314	0.14080754	-3.54916947	0.00038645	0.01810709
EXOC3-AS1	104.614843	-0.50204278	0.14187401	-3.53384625	0.00040956	0.01890297
GRHPR	878.659456	-0.50399156	0.13562652	-3.71478766	0.00020337	0.01092039
FAM215B	105.618803	-0.50416901	0.13558426	-3.71349495	0.00020442	0.01095444
HNRNPA1	11924.5323	-0.50417638	0.12415699	-4.0599556	4.91E-05	0.00349537
TOMM20	7217.41945	-0.50542738	0.15331728	-3.29627861	0.00097975	0.0344748
REXO2	1188.48404	-0.50632201	0.12932438	-3.91396413	9.08E-05	0.00578819
MACO1	659.198604	-0.50931906	0.1445368	-3.52152556	0.00042907	0.01943114
ITFG2	202.747947	-0.5132958	0.14103201	-3.6365545	0.00027631	0.0139181
EID2	428.42112	-0.51359895	0.16344224	-3.14081	0.00168481	0.04917159
ST13	5919.87301	-0.51426992	0.10282941	-5.00018008	5.73E-07	6.99E-05
NOA1	355.20267	-0.5147961	0.15952255	-3.22516651	0.00125899	0.0411711
ATP5F1A	3906.51881	-0.51692017	0.13499751	-3.82835022	0.00012901	0.00773109
SNX12	271.586083	-0.51744261	0.15923334	-3.24769916	0.00116342	0.03880193
EIF3A	7316.70438	-0.52209488	0.15406122	-3.38750387	0.00070532	0.02732519
ZC2HC1A	283.825066	-0.52313586	0.13720047	-3.81013729	0.00013889	0.00814172
PPT1	921.262352	-0.52644273	0.15190197	-3.46476487	0.0005307	0.02263519

TAF15	1793.65461	-0.52779546	0.14690088	-3.59243274	0.00032761	0.01584783
SFT2D3	291.145233	-0.52826862	0.1108291	-4.76414247	1.90E-06	0.00020615
AL139095.2	140.220304	-0.52926797	0.15077487	-3.5244848	0.00042431	0.01930813
ASNSD1	335.885227	-0.53035803	0.13437803	-3.94522458	7.97E-05	0.00522064
UHRF1BP1L	322.497321	-0.53136208	0.14501378	-3.66336042	0.00024893	0.0128224
NPM1	19709.2991	-0.53553116	0.13995968	-3.82541574	0.00013055	0.00780635
FKTN	206.299237	-0.53574678	0.16933816	-3.16121257	0.00157114	0.0473382
RPL23	35348.3637	-0.53642018	0.1177047	-4.55700379	5.19E-06	0.00049754
MAP2K5	85.8207127	-0.53669696	0.16759655	-3.19882452	0.00137989	0.04353387
H4C5	149.013567	-0.53696055	0.16478179	-3.2555964	0.00113154	0.03821348
EPHX1	322.124785	-0.53703226	0.16045836	-3.34640044	0.00081868	0.03057015
TRIM28	1737.23231	-0.53719459	0.15654958	-3.43069628	0.00060203	0.02460185
VPS26B	220.387174	-0.53758438	0.1470798	-3.65204311	0.00026016	0.01322885
RCN2	3754.68568	-0.53773325	0.15658056	-3.43360005	0.00059562	0.02441415
RPL5	31115.7071	-0.54119283	0.1325848	-4.08123241	4.48E-05	0.00325942
RHOBTB3	3841.04785	-0.54150656	0.1708782	-3.16679121	0.00154131	0.04675828
GALNT11	588.70352	-0.54233402	0.15786093	-3.43403988	0.00059466	0.02441184
HERC2	469.78249	-0.54263372	0.11945612	-4.53978978	5.63E-06	0.00053421
SNHG16	3832.90085	-0.54392157	0.15491626	-3.50975374	0.00044852	0.02000318
HERC1	457.969466	-0.54508175	0.10794151	-5.04733596	4.48E-07	5.54E-05
UROD	413.626149	-0.54652445	0.15987795	-3.41641848	0.00063451	0.02550185
EEF1A1	118279.419	-0.54772752	0.12655567	-4.32789466	1.51E-05	0.00127933
RAB4A	1415.83234	-0.5505312	0.10945847	-5.02918776	4.93E-07	6.07E-05
ATG2B	136.94136	-0.55123352	0.16472687	-3.3424086	0.00083055	0.03092722
DCTN1	717.703046	-0.55189305	0.14943185	-3.690857	0.0002235	0.0117427
BORCS6	91.8518057	-0.55254102	0.16545455	-3.33591432	0.00085019	0.03135439
RPLP0	27640.6754	-0.55387134	0.12796574	-4.32784365	1.51E-05	0.00127933
GPATCH11	161.554664	-0.55455468	0.12250223	-4.52224393	6.12E-06	0.00057844
RPL7	11247.7041	-0.55458088	0.14283147	-3.88234597	0.00010345	0.0064146
C17orf97	101.405879	-0.55764659	0.14290373	-3.89273558	9.91E-05	0.00617443
FAM171A1	370.581899	-0.55881397	0.17607724	-3.17037423	0.00152243	0.04650071
NUP133	288.734681	-0.56428267	0.17159995	-3.28606457	0.00101598	0.0356096
TBC1D14	306.502482	-0.57140065	0.15101564	-3.78038751	0.00015658	0.00888791
HEATR1	453.07692	-0.57162161	0.14980902	-3.81353896	0.00013699	0.00808337
THAP11	312.502976	-0.57969956	0.15309963	-3.78434033	0.00015412	0.00878499
QARS1	778.180763	-0.58460638	0.15900476	-3.67477753	0.00023806	0.01241038
SLC25A3	8125.71452	-0.58760592	0.14124325	-4.15953288	3.19E-05	0.00246029
DBN1	1264.42319	-0.59470194	0.18665157	-3.18437349	0.00145068	0.04487071
SETMAR	171.915236	-0.59485375	0.17946642	-3.31114327	0.00092916	0.03317286
MRPL20-AS1	109.054544	-0.59896802	0.14393178	-4.1548325	3.26E-05	0.00249706
GMPR2	498.73271	-0.5998739	0.12880091	-4.65546964	3.23E-06	0.00033124
CS	1064.22089	-0.60730121	0.15761368	-3.85172831	0.00011729	0.00712426
SUMF1	317.83797	-0.60939752	0.1873467	-3.25044131	0.00115226	0.03852539
SRSF8	808.421939	-0.60996045	0.14415268	-4.22950966	2.34E-05	0.00186031
NAP1L1	12633.1808	-0.61584606	0.17558581	-3.50653255	0.00045399	0.02014647
CCDC8	261.783902	-0.61606532	0.1917365	-3.21107742	0.00132238	0.04229628
PGD	2039.85745	-0.61964265	0.19209608	-3.2246704	0.00126118	0.04119234
AC008038.1	303.015268	-0.6300943	0.12938312	-4.86808342	1.13E-06	0.00012984

RPL7AP66	88.5965502	-0.63188258	0.16603898	-3.7998915	0.00014476	0.00842817
IPO5	1264.58796	-0.63299737	0.18608775	-3.40106591	0.00067124	0.02623196
AL035071.1	135.516768	-0.63315253	0.19649547	-3.21703942	0.00129521	0.04184931
TPRG1L	309.904103	-0.64113169	0.16663698	-3.8484826	0.00011885	0.00719334
MRPL45	636.45657	-0.64293267	0.17032219	-3.7729877	0.0001613	0.0090839
AP002748.4	38.3315548	-0.64419821	0.2037561	-3.14881681	0.00163933	0.04868663
SNHG7	5255.96311	-0.64423359	0.16861862	-3.81948665	0.00013373	0.00792758
PARP16	88.7835128	-0.64770407	0.1890353	-3.41936702	0.00062767	0.02534088
ZNF16	65.2468473	-0.65148772	0.16496361	-3.93650647	8.27E-05	0.00534866
RMND1	455.823647	-0.65398588	0.14689267	-4.4495523	8.60E-06	0.00077266
APEX1	2856.70569	-0.65861219	0.15273334	-4.31249969	1.61E-05	0.00135855
IMPDH2	2057.62709	-0.66165403	0.20477499	-3.23158767	0.00123105	0.04045424
ZNF559	79.1248593	-0.66705581	0.17824182	-3.73199114	0.00018997	0.01030378
FAM172A	311.171675	-0.66808606	0.17047255	-3.91612219	9.00E-05	0.00575216
CUL7	225.586428	-0.66812442	0.1894353	-3.52145749	0.00042918	0.01943114
RHOBTB1	149.769143	-0.66879484	0.18229274	-3.66248456	0.00024978	0.0128224
LRPPRC	1878.34212	-0.66971286	0.15709308	-4.2623158	2.02E-05	0.00165606
MINCR	118.360589	-0.67180869	0.20518876	-3.27069075	0.00107285	0.03694223
RPL5P4	191.497275	-0.6722478	0.17728979	-3.78825	0.00015171	0.00870335
ITGAE	816.538246	-0.67260108	0.19743588	-3.40642147	0.0006582	0.02595081
AHCY	1300.63038	-0.67850447	0.1913669	-3.54670289	0.00039008	0.01818226
RPUSD4	223.861098	-0.67938266	0.19148463	-3.5450412	0.00039255	0.01826556
FAM185A	39.7058086	-0.68320063	0.20101539	-3.38341095	0.00071591	0.02761618
UBE4B	589.740415	-0.6835955	0.17696171	-3.86066001	0.00011308	0.00691572
AC084824.2	34.1681399	-0.69186542	0.21818078	-3.16002383	0.00157756	0.04742933
ARL4C	4172.18476	-0.69415762	0.16270801	-4.26397835	2.01E-05	0.0016488
MTURN	209.803684	-0.69671934	0.16791132	-4.14316829	3.43E-05	0.00259057
EEF2	14679.415	-0.69717592	0.16819143	-4.14344539	3.42E-05	0.00259057
EIF3L	2441.93119	-0.70662046	0.15321182	-4.61155518	4.00E-06	0.00039742
PDE3B	370.699294	-0.70814222	0.20505522	-3.44986774	0.00056086	0.02346039
AL356488.3	34.8517411	-0.70878633	0.2190297	-3.21701443	0.00129532	0.04184931
DTD2	203.854683	-0.73503499	0.21036512	-3.48943086	0.00048405	0.02126969
CASTOR3	158.726572	-0.73673496	0.19495268	-3.77321268	0.00016116	0.0090839
RSAD1	150.578175	-0.73902039	0.22986235	-3.21046896	0.00132519	0.0423051
DPH5	293.783771	-0.74385101	0.18454628	-4.02796164	5.63E-05	0.00388981
RPL3P4	101.354538	-0.75134788	0.20218261	-3.70987244	0.00020736	0.01107718
EIF4B	4054.01939	-0.75248357	0.18440787	-4.07946017	4.51E-05	0.00327549
FOXN3	566.994899	-0.76381415	0.17964334	-4.24972612	2.14E-05	0.00173082
PITPNA-AS1	269.383667	-0.76503515	0.23064337	-3.31492209	0.00091669	0.03285875
SPTBN2	95.3687923	-0.76624691	0.2356156	-3.24074235	0.00119219	0.03939098
CREB3L4	83.9794437	-0.7771474	0.22379263	-3.46299495	0.0005342	0.02266205
FITM2	122.248049	-0.81658957	0.25288593	-3.2197399	0.00128307	0.0416328
ADGRA3	353.826034	-0.84574218	0.14911471	-5.66621857	1.46E-08	2.40E-06
RPL5P12	111.857096	-0.8462726	0.21281243	-3.98964781	6.62E-05	0.00445256
CASTOR2	327.751908	-0.86466101	0.25748326	-3.35664763	0.00078894	0.02979093
NT5DC2	1127.02656	-0.87697011	0.24362816	-3.60389267	0.00031349	0.01524726
LINC00680	70.0168431	-0.88071921	0.206695	-4.24390026	2.20E-05	0.00177107
RPL26P19	36.422994	-0.88364508	0.23164768	-3.79626514	0.00014689	0.00851786

CIRBP	4314.2385	-0.89796911	0.12111841	-7.41403331	1.23E-13	3.78E-11
RPL5P9	98.5241456	-0.9037728	0.26693383	-3.38034347	0.00072395	0.02772709
P3H2	225.956801	-0.91902524	0.27061589	-3.40016206	0.00067346	0.02628057
KLF7-IT1	21.6513566	-0.93597782	0.27728182	-3.32195656	0.00089389	0.03238739
AP000704.2	27.6567519	-0.95247052	0.2505486	-3.76331174	0.00016768	0.00937879
IQCH-AS1	56.5982256	-0.96472024	0.21948052	-4.37273079	1.23E-05	0.00107306
AC010343.1	21.5467403	-0.99010409	0.2492806	-3.92318711	8.74E-05	0.00562618
AURKAP1	12.4162786	-1.09629976	0.33337621	-3.20104816	0.00136929	0.04330106
AL445433.1	26.971688	-1.13234246	0.28013207	-4.02755711	5.64E-05	0.00388981
LINC02331	20.5572894	-1.17956911	0.33504012	-3.48313265	0.00049558	0.02158499
TENT5B	58.9356377	-1.22802293	0.34745099	-3.53290954	0.00041101	0.01890297