

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
FABP4	0	2.47870472	0.945	0.293	0
INHBA	0	1.6574252	0.821	0.112	0
FN1	0	1.61543118	0.88	0.479	0
ALDH2	0	1.45009686	0.998	0.758	0
MCEMP1	0	1.28880906	0.973	0.428	0
RBP4	0	1.27815461	0.655	0.121	0
AC026369.3	0	1.27796062	0.877	0.139	0
IGFBP2	0	1.24849691	0.632	0.116	0
C1QA	0	1.23945981	1	0.73	0
FBP1	0	1.21144354	0.997	0.848	0
PCOLCE2	0	1.19381802	0.905	0.135	0
C1QB	0	1.16217625	0.996	0.722	0
SERPINA1	0	1.13377267	0.999	0.746	0
SERPING1	0	1.11913471	0.719	0.188	0
ALOX5AP	0	1.11795564	0.994	0.706	0
GPD1	0	1.08887943	0.757	0.023	0
FAM89A	0	1.0819947	0.94	0.24	0
CXCL5	0	1.06792631	0.367	0.071	0
AQP3	0	1.01370996	0.78	0.145	0
PDLIM1	0	1.01100484	0.818	0.204	0
RETN	0	1.00986557	0.781	0.317	0
GLDN	0	1.00728463	0.728	0.089	0
PLA2G16	0	0.98767318	0.899	0.198	0
CTSC	0	0.97757628	1	0.904	0
LGALS3BP	0	0.96377219	0.839	0.222	0
CD52	0	0.94021492	0.993	0.837	0
ABCG1	0	0.9186153	0.924	0.383	0
ALOX5	0	0.91681155	0.982	0.574	0
VSIG4	0	0.89594396	0.993	0.745	0
MRC1	0	0.89221176	0.997	0.802	0
CRIP1	0	0.88556864	0.908	0.553	0
TREM1	0	0.8748111	0.973	0.452	0
SCD	0	0.86322269	0.776	0.361	0
PPARG	0	0.85659956	0.979	0.504	0
AKR1C3	0	0.85489539	0.645	0.152	0
LPL	0	0.84138752	0.931	0.446	0
LY6E	0	0.83052427	0.962	0.575	0
MARCO	0	0.82965571	0.993	0.727	0
MME	0	0.81368091	0.649	0.089	0
SVIL	0	0.8109602	0.861	0.184	0
EVL	0	0.79929563	0.906	0.418	0
11-Sep	0	0.79744351	0.938	0.403	0
C1QC	0	0.77368372	0.99	0.633	0
OLR1	0	0.76865895	0.994	0.599	0

GYPC	0	0.76187218	0.93	0.441	0
DECR1	0	0.76048957	0.945	0.559	0
GCHFR	0	0.76039006	0.983	0.649	0
RND3	0	0.74084351	0.389	0.079	0
LDHB	0	0.73159901	0.911	0.607	0
PNPLA6	0	0.7312019	0.897	0.429	0
MSR1	0	0.7302	0.986	0.756	0
MGST3	0	0.72619428	1	0.919	0
SPN	0	0.72361841	0.88	0.362	0
PHLDA3	0	0.71067561	0.855	0.225	0
STMN1	0	0.7016539	0.785	0.292	0
TXNIP	0	0.6823849	0.994	0.89	0
COLEC12	0	0.67738738	0.76	0.24	0
FHL1	0	0.67732786	0.615	0.051	0
UBB	0	0.66834617	1	0.989	0
TCF7L2	0	0.66384598	0.856	0.266	0
ABHD5	0	0.66289465	0.96	0.605	0
APIP	0	0.64866894	0.87	0.322	0
MS4A7	0	0.63729022	1	0.908	0
BHLHE41	0	0.6352748	0.871	0.36	0
PLBD1	0	0.63145114	0.959	0.635	0
PARAL1	0	0.62155074	0.679	0.052	0
PPIC	0	0.61236013	0.663	0.114	0
S100A13	0	0.61233484	0.634	0.174	0
CPE	0	0.60536226	0.507	0.02	0
JPT1	0	0.60247604	0.952	0.662	0
LTA4H	0	0.60201645	0.99	0.786	0
GLRX	0	0.59904396	0.991	0.875	0
SNX2	0	0.59849358	0.971	0.789	0
ADAMTSL4	0	0.59663276	0.857	0.326	0
PTMS	0	0.5887887	0.929	0.558	0
MLPH	0	0.57979322	0.631	0.11	0
C9orf16	0	0.57883263	0.956	0.761	0
GLIPR2	0	0.57866342	0.981	0.764	0
HP	0	0.57462747	0.288	0.024	0
CXCL16	0	0.57332799	0.993	0.828	0
PYCARD	0	0.57324984	0.986	0.801	0
EML4	0	0.56772013	0.937	0.571	0
FFAR4	0	0.56549395	0.609	0.051	0
PTPMT1	0	0.56362561	0.846	0.384	0
HLA-DRB1	0	0.56202433	1	0.981	0
CD81	0	0.56158681	1	0.939	0
AMIGO2	0	0.56156676	0.683	0.146	0
ACOT7	0	0.55278071	0.643	0.19	0
TRPV2	0	0.54984581	0.868	0.45	0

CCL23	0	0.54974317	0.505	0.125	0
HPGD	0	0.54895557	0.832	0.32	0
GRN	0	0.54617416	1	0.988	0
SPOCD1	0	0.54332681	0.563	0.128	0
DEFB1	0	0.53648791	0.418	0.074	0
IFIT3	0	0.52989669	0.677	0.217	0
ATP1B1	0	0.52789027	0.807	0.377	0
PEBP1	0	0.52782374	0.993	0.81	0
ETHE1	0	0.52237205	0.79	0.351	0
DOK2	0	0.5120346	0.942	0.557	0
ACO1	0	0.51110176	0.625	0.174	0
OASL	0	0.50774299	0.534	0.109	0
SLC27A3	0	0.50763529	0.752	0.277	0
TMSB4X	0	0.49629749	1	1	0
HLA-DRA	0	0.47735453	1	0.997	0
TSPO	0	0.4753784	1	0.988	0
LRPAP1	0	0.46982472	0.984	0.849	0
AXL	0	0.46942741	0.576	0.146	0
TMEM173	0	0.46886566	0.652	0.227	0
GAA	0	0.46447246	0.93	0.614	0
CAT	0	0.46323145	0.932	0.596	0
ALAS1	0	0.46140769	0.632	0.241	0
PDCL	0	0.45680471	0.597	0.213	0
C1orf162	0	0.4514274	0.995	0.822	0
IFIT2	0	0.4468379	0.492	0.13	0
STAC	0	0.44682668	0.605	0.118	0
EDEM2	0	0.44637521	0.763	0.356	0
DST	0	0.43586609	0.756	0.324	0
HDDC2	0	0.43307141	0.786	0.363	0
HCAR2	0	0.42973171	0.482	0.079	0
SMCO4	0	0.42738148	0.859	0.492	0
TBC1D10C	0	0.42694631	0.559	0.118	0
CD74	0	0.41873629	1	0.994	0
CARD16	0	0.41655354	0.874	0.457	0
RHBDD2	0	0.41416944	0.628	0.193	0
SPATS2L	0	0.41305405	0.777	0.372	0
ALDH1A1	0	0.41241122	0.848	0.386	0
GGA2	0	0.40943058	0.749	0.342	0
ATP10A	0	0.40838161	0.471	0.048	0
ENPP4	0	0.40480863	0.661	0.237	0
ADTRP	0	0.39366541	0.564	0.154	0
MACC1	0	0.39100832	0.466	0.095	0
FRMD4A	0	0.38870285	0.669	0.234	0
S100A11	0	0.38644707	1	1	0
APOL4	0	0.38280044	0.489	0.078	0

SLC19A3	0	0.38181052	0.353	0.004	0
LSAMP	0	0.37236691	0.37	0.013	0
ACVRL1	0	0.36904668	0.554	0.15	0
ARHGEF28	0	0.35777531	0.419	0.024	0
CTSW	0	0.35307272	0.375	0.039	0
ITGB8	0	0.33751237	0.388	0.08	0
MYO6	0	0.30648134	0.399	0.053	0
BACE1	0	0.30323239	0.449	0.105	0
GALNT12	0	0.29270718	0.373	0.06	0
DNAAF4	0	0.29004341	0.41	0.075	0
CEACAM21	0	0.26114059	0.364	0.06	0
TRHDE	0	0.25993947	0.268	0.006	0
PCBP1	0	-0.5295	0.874	0.963	0
HM13	0	-0.6214884	0.448	0.799	0
TNFRSF1B	0	-0.7941834	0.14	0.582	0
SAT1	0	-0.8225522	1	0.999	0
FNIP2	0	-0.8854069	0.212	0.676	0
HIF1A	0	-0.9463144	0.205	0.741	0
BASP1	0	-0.9648035	0.184	0.707	0
CD48	0	-1.0627771	0.054	0.652	0
SOCS3	0	-1.0871788	0.189	0.664	0
IER3	0	-1.0930559	0.079	0.559	0
CEBPD	0	-1.1281712	0.346	0.765	0
ZFP36L1	0	-1.139319	0.235	0.747	0
GPR183	0	-1.1482287	0.063	0.597	0
MARCKS	0	-1.3508042	0.079	0.696	0
SOD2	0	-1.381458	0.354	0.851	0
ECH1	2.92E-307	0.43730683	0.901	0.588	7.22E-303
BSG	1.42E-305	0.52990554	0.945	0.774	3.52E-301
USP30-AS1	8.90E-305	0.25634439	0.354	0.067	2.20E-300
ANOS1	7.63E-304	0.25010737	0.366	0.071	1.89E-299
B3GNT7	8.20E-303	0.28260297	0.448	0.115	2.03E-298
UBASH3B	5.84E-302	0.40520227	0.7	0.304	1.45E-297
S1PR4	9.20E-300	0.38703053	0.658	0.264	2.28E-295
RMDN3	1.18E-299	0.45713665	0.795	0.382	2.91E-295
VMO1	3.64E-299	0.45786556	0.542	0.174	9.00E-295
PLXNC1	1.98E-297	-0.546816	0.017	0.446	4.91E-293
RGS2	2.28E-297	-1.1027877	0.287	0.691	5.65E-293
AL035446.1	2.38E-289	0.30031437	0.527	0.167	5.88E-285
SPI1	5.20E-289	0.38988148	0.992	0.896	1.29E-284
TIMP1	2.53E-288	-1.4246931	0.684	0.857	6.26E-284
PTPRE	1.93E-284	-0.7249205	0.235	0.631	4.78E-280
IL3RA	2.44E-284	0.45263262	0.776	0.348	6.03E-280
CCL18	1.96E-283	0.82797603	0.929	0.683	4.84E-279
PECAM1	1.10E-282	0.45095622	0.896	0.56	2.72E-278

SLCO2B1	1.85E-282	0.40553193	0.905	0.492	4.57E-278
CITED2	4.86E-282	0.50227756	0.845	0.496	1.20E-277
ITM2B	5.25E-282	0.33847565	1	0.985	1.30E-277
NCEH1	5.54E-282	0.4324576	0.946	0.592	1.37E-277
DNASE2	1.28E-277	0.43098468	0.853	0.481	3.17E-273
BLVRB	4.19E-277	-0.6626238	0.672	0.887	1.04E-272
FAM198B	1.79E-272	-0.4663545	0.023	0.428	4.43E-268
LILRB4	1.85E-272	-0.7090372	0.235	0.625	4.58E-268
SNX10	6.47E-272	0.4309436	0.982	0.791	1.60E-267
NMB	2.19E-271	0.51632007	0.511	0.171	5.42E-267
TANC2	3.47E-270	0.33115663	0.58	0.213	8.59E-266
HLA-DQB1	3.25E-268	0.39796903	0.998	0.897	8.04E-264
SCCPDH	2.44E-267	0.41855967	0.811	0.445	6.04E-263
MINK1	1.35E-266	0.27444793	0.442	0.128	3.35E-262
SAMD9L	3.06E-265	0.36680923	0.631	0.259	7.57E-261
CES1	1.70E-264	0.86230423	0.539	0.202	4.20E-260
PLEKHO1	5.02E-264	-0.6923774	0.153	0.551	1.24E-259
MDH1	2.48E-263	0.39719172	0.967	0.755	6.15E-259
AKR1B1	8.44E-263	0.50451943	0.79	0.435	2.09E-258
NAMPT	1.30E-260	-1.3536641	0.765	0.886	3.23E-256
CLDN7	1.55E-260	0.27797197	0.397	0.103	3.84E-256
TGM2	1.83E-260	0.70207164	0.663	0.317	4.52E-256
CD300LF	2.50E-260	0.36664275	0.753	0.375	6.18E-256
CORO1A	1.11E-259	-0.7637107	0.101	0.494	2.75E-255
KLF6	2.10E-259	-0.717717	0.78	0.933	5.20E-255
CD14	8.42E-259	-1.0043414	0.674	0.862	2.09E-254
APOC1	5.38E-258	0.48081658	1	0.823	1.33E-253
MYL6	1.62E-257	0.36397188	1	0.999	4.01E-253
CORO2A	1.39E-256	0.28240455	0.473	0.149	3.43E-252
DOCK8	1.08E-254	0.37663904	0.864	0.52	2.68E-250
NR4A2	2.08E-254	-0.799407	0.384	0.731	5.15E-250
C2	3.16E-253	0.43952045	0.675	0.297	7.82E-249
POR	7.49E-253	0.36360559	0.842	0.482	1.85E-248
HADH	3.94E-252	0.27743616	0.49	0.166	9.76E-248
IFITM2	8.65E-252	-1.1339614	0.045	0.429	2.14E-247
PRKCB	4.79E-251	-0.5093349	0.057	0.445	1.19E-246
AL390036.1	6.30E-251	0.25786045	0.433	0.126	1.56E-246
HLA-DPA1	3.21E-250	0.28764981	1	0.97	7.95E-246
SLC2A3	3.59E-250	-1.1219478	0.408	0.727	8.89E-246
ZNF331	5.30E-248	-0.8254739	0.384	0.729	1.31E-243
FOSB	1.38E-247	-0.7640812	0.368	0.718	3.41E-243
LIMA1	7.87E-247	0.30932648	0.471	0.156	1.95E-242
NINJ1	2.76E-246	-0.5383968	0.087	0.476	6.82E-242
UBC	9.70E-244	-0.4409277	0.998	0.999	2.40E-239
PLA2G7	1.02E-242	-0.9053363	0.241	0.602	2.53E-238

SLC35E3	2.77E-239	0.40102236	0.658	0.311	6.86E-235
TST	6.31E-239	0.26300647	0.419	0.127	1.56E-234
LYAR	2.83E-236	0.36168267	0.726	0.369	7.01E-232
HMOX2	7.31E-236	0.31063463	0.647	0.303	1.81E-231
ATP13A3	8.54E-236	-0.6238213	0.304	0.638	2.11E-231
CD84	8.84E-236	-0.7072544	0.303	0.623	2.19E-231
CDC42BPB	2.52E-234	0.30880793	0.561	0.231	6.24E-230
KAT8	2.82E-234	0.33110874	0.6	0.265	6.98E-230
PHYH	2.84E-234	0.31028616	0.655	0.301	7.03E-230
FDFT1	4.71E-234	0.33736675	0.511	0.187	1.16E-229
ABCG2	1.05E-232	0.27703735	0.427	0.128	2.60E-228
HLA-DQA1	2.57E-232	0.50615515	0.985	0.774	6.37E-228
SPP1	7.56E-232	-3.0483257	0.217	0.557	1.87E-227
MOB3B	4.17E-230	0.30425912	0.62	0.27	1.03E-225
FYB1	2.44E-229	-0.6676114	0.521	0.753	6.04E-225
PKP2	2.70E-229	0.29664453	0.312	0.069	6.68E-225
FGL2	5.20E-229	-1.0040404	0.105	0.462	1.29E-224
MTPN	2.12E-228	0.32059232	0.978	0.874	5.26E-224
EMP1	3.15E-228	-0.778952	0.173	0.543	7.80E-224
MIR3945HG	8.33E-226	0.42140473	0.581	0.241	2.06E-221
JAML	2.45E-225	0.40337112	0.809	0.443	6.07E-221
QSOX1	8.41E-224	0.36990992	0.726	0.389	2.08E-219
ZFP36	1.64E-222	-0.7593416	0.449	0.713	4.07E-218
H3F3B	6.99E-222	-0.5703209	1	0.999	1.73E-217
GPATCH11	2.45E-221	0.29423817	0.519	0.205	6.06E-217
MCOLN1	2.74E-221	0.37592995	0.855	0.548	6.77E-217
LIMS1	5.95E-221	-0.561661	0.808	0.915	1.47E-216
AP1S2	6.32E-221	-0.5719952	0.373	0.679	1.56E-216
TTYH3	1.18E-220	-0.4797109	0.153	0.513	2.93E-216
MT-CYB	1.20E-220	0.33308064	1	1	2.97E-216
SGMS2	5.98E-220	0.35370611	0.628	0.286	1.48E-215
ACYP2	6.58E-220	0.27665015	0.476	0.172	1.63E-215
PIM3	2.25E-219	-0.5509625	0.304	0.638	5.58E-215
NUCB1	6.95E-218	0.3586516	0.928	0.691	1.72E-213
HSD17B11	7.34E-218	0.34727845	0.785	0.448	1.82E-213
BCAT1	2.60E-217	-0.5339647	0.284	0.619	6.44E-213
GMFG	2.69E-217	0.28979874	0.994	0.908	6.66E-213
IL7R	2.67E-216	0.40016383	0.647	0.287	6.60E-212
ACER3	1.76E-215	0.33376239	0.825	0.497	4.36E-211
RPS9	4.08E-215	-0.3879101	0.999	1	1.01E-210
DAZAP2	1.92E-214	-0.5327238	0.525	0.759	4.75E-210
OSCAR	6.55E-214	0.39128567	0.817	0.506	1.62E-209
DMAC1	8.54E-214	0.32178324	0.664	0.34	2.11E-209
SCP2	8.84E-214	0.31211434	0.958	0.766	2.19E-209
TMEM123	1.08E-213	-0.4514212	0.415	0.714	2.68E-209

CARS2	3.59E-213	0.29181637	0.653	0.314	8.89E-209
RASSF2	6.07E-213	-0.4126748	0.015	0.351	1.50E-208
SMIM3	2.17E-212	-0.4774693	0.096	0.453	5.37E-208
COMT	3.59E-211	0.35077479	0.968	0.854	8.88E-207
FCGR3A	1.14E-210	0.36237899	0.937	0.649	2.81E-206
SELENON	1.54E-210	0.30808963	0.503	0.201	3.80E-206
RNF130	2.09E-210	-0.4137719	0.856	0.928	5.18E-206
CD93	7.96E-210	-0.7510423	0.019	0.35	1.97E-205
RETREG1	4.03E-209	0.30509431	0.499	0.182	9.97E-205
BEX4	1.30E-207	0.36607816	0.664	0.341	3.21E-203
TLR2	1.82E-207	-0.5856418	0.147	0.486	4.51E-203
CFLAR	4.11E-206	-0.5703757	0.451	0.733	1.02E-201
CDCP1	1.28E-205	0.27748069	0.543	0.223	3.16E-201
PPP1CB	7.04E-205	-0.4842104	0.572	0.791	1.74E-200
HPGDS	1.28E-204	0.27891333	0.348	0.095	3.17E-200
HLA-DMA	2.38E-204	0.33139981	0.999	0.895	5.90E-200
RGS1	4.55E-204	-1.0490868	0.21	0.542	1.13E-199
BLVRA	5.19E-203	0.32777787	0.878	0.59	1.29E-198
ABCA1	7.40E-203	-0.5830707	0.182	0.534	1.83E-198
HSPB1	3.65E-202	0.38639668	0.899	0.651	9.04E-198
PRSS21	8.24E-202	0.4356644	0.316	0.083	2.04E-197
MT-CO3	1.04E-201	0.27638194	1	1	2.57E-197
DDIT4	2.44E-201	-0.7641806	0.169	0.504	6.05E-197
A2M	1.45E-200	-0.7183341	0.162	0.493	3.59E-196
FCN1	1.60E-200	-1.2489013	0.096	0.429	3.95E-196
STOM	2.93E-199	0.44887301	0.793	0.532	7.26E-195
SORT1	3.23E-199	0.31727317	0.824	0.498	7.99E-195
SIRPB1	2.29E-198	0.28114058	0.522	0.21	5.66E-194
ATF3	2.29E-197	-0.6361283	0.389	0.704	5.67E-193
MERTK	4.53E-196	-0.4044134	0.017	0.333	1.12E-191
RGL1	7.37E-195	-0.4331358	0.036	0.357	1.83E-190
ESYT1	1.57E-193	0.2869663	0.617	0.301	3.90E-189
ROGDI	3.15E-193	0.25078032	0.457	0.168	7.80E-189
TRIM14	5.08E-192	0.29174479	0.64	0.32	1.26E-187
METRNL	2.38E-191	-0.5108154	0.511	0.759	5.90E-187
GSTO1	2.93E-190	0.28004462	1	0.985	7.25E-186
FABP3	4.29E-190	0.87831421	0.49	0.222	1.06E-185
VAMP8	4.81E-189	0.25342141	0.999	0.976	1.19E-184
EEF1D	5.25E-189	-0.4192629	0.976	0.987	1.30E-184
ICAM1	1.79E-187	-0.5463646	0.086	0.412	4.44E-183
ACP5	4.34E-187	0.35024872	0.999	0.843	1.07E-182
ETS2	4.74E-186	-0.7119022	0.446	0.686	1.17E-181
PNRC1	5.66E-186	-0.7200189	0.6	0.799	1.40E-181
REL	1.17E-184	-0.6302915	0.617	0.802	2.89E-180
SLFN11	1.44E-184	0.29254565	0.664	0.347	3.55E-180

PPDPF	1.69E-184	0.33658041	0.982	0.858	4.18E-180
CIB1	3.09E-184	0.28667989	0.966	0.837	7.65E-180
PARP4	5.70E-184	0.28768242	0.658	0.345	1.41E-179
HNMT	1.38E-183	0.3046437	0.936	0.724	3.43E-179
SAMM50	2.83E-183	0.25106551	0.498	0.211	7.00E-179
DDX3X	1.47E-182	-0.5316309	0.682	0.86	3.64E-178
VEGFA	1.60E-182	-0.6696978	0.045	0.352	3.96E-178
SGK1	6.98E-181	-0.6309078	0.625	0.819	1.73E-176
UBE2L6	3.27E-180	0.33143835	0.779	0.482	8.10E-176
TFPT	1.26E-179	0.28713057	0.719	0.407	3.13E-175
STAB1	3.79E-179	-0.6249271	0.009	0.301	9.39E-175
GSN	4.12E-179	0.45081235	0.939	0.782	1.02E-174
RNF149	5.80E-178	0.27874189	0.937	0.704	1.44E-173
HNRNPA3	1.23E-177	-0.4819485	0.71	0.848	3.04E-173
CREM	1.52E-177	-0.6503668	0.272	0.571	3.77E-173
ADGRE2	7.08E-177	-0.5057657	0.134	0.446	1.75E-172
FOS	1.35E-175	-0.8245178	0.9	0.952	3.34E-171
PFKFB3	4.42E-175	-0.4889569	0.06	0.362	1.10E-170
HERPUD1	7.85E-175	-0.7220954	0.585	0.795	1.94E-170
IER2	3.62E-174	-0.6639021	0.308	0.596	8.97E-170
TNFSF12	1.04E-173	0.27593051	0.73	0.413	2.58E-169
LY86	2.27E-173	0.34705627	0.806	0.514	5.61E-169
LILRB2	2.67E-173	-0.5503202	0.172	0.474	6.61E-169
RAP2B	2.82E-173	-0.460626	0.371	0.64	6.98E-169
RALA	4.27E-173	-0.5623174	0.392	0.639	1.06E-168
DOCK11	4.33E-173	0.27931006	0.718	0.408	1.07E-168
IRF2BP2	2.71E-172	-0.4197305	0.341	0.634	6.70E-168
PSME4	3.69E-170	0.3221657	0.555	0.271	9.13E-166
NOP10	4.97E-170	0.32861696	0.997	0.953	1.23E-165
PABPC4	4.51E-169	-0.4520398	0.55	0.764	1.12E-164
IFITM3	1.84E-168	-0.7335405	0.232	0.538	4.57E-164
JUNB	3.63E-168	-0.6711856	0.902	0.955	8.99E-164
ATP1A1	1.33E-167	-0.4548892	0.551	0.764	3.28E-163
MTSS1	3.29E-167	-0.3708186	0.011	0.289	8.16E-163
HRH2	9.39E-167	-0.3654811	0.012	0.29	2.33E-162
RPS6	5.50E-166	-0.3326846	0.999	0.999	1.36E-161
SH3KBP1	5.60E-166	-0.3872553	0.106	0.408	1.39E-161
SPNS1	8.02E-166	0.29082952	0.73	0.441	1.99E-161
CYB5R3	2.81E-165	0.28895283	0.776	0.494	6.96E-161
MACF1	3.45E-165	-0.41955	0.232	0.534	8.54E-161
HNRNPU	6.29E-165	-0.5893042	0.859	0.933	1.56E-160
PILRA	5.05E-164	0.297997	0.822	0.518	1.25E-159
SLC25A37	1.82E-163	-0.7731533	0.115	0.409	4.50E-159
FLVCR2	5.28E-163	0.25720068	0.56	0.269	1.31E-158
GAPDH	1.99E-162	-0.460265	0.999	0.999	4.93E-158

CXCL8	2.04E-162	-1.5247862	0.058	0.348	5.05E-158
YWHAH	3.03E-162	0.26666528	0.889	0.655	7.49E-158
ARL4A	5.02E-162	0.34048487	0.846	0.591	1.24E-157
CSTA	2.08E-161	0.28897977	0.903	0.622	5.15E-157
DUSP2	2.91E-161	-0.7260859	0.101	0.392	7.21E-157
ATP5MC3	5.42E-161	0.25928732	0.996	0.961	1.34E-156
ARL4C	6.65E-161	-0.5479379	0.057	0.343	1.65E-156
CCL2	8.04E-160	-1.9454725	0.025	0.298	1.99E-155
FOSL2	1.53E-159	-0.5415534	0.289	0.566	3.79E-155
SRGN	4.72E-159	-0.8598036	0.997	0.99	1.17E-154
TGOLN2	1.38E-158	0.27057649	0.964	0.851	3.42E-154
ARHGAP45	3.67E-158	-0.3033411	0.046	0.327	9.10E-154
IL6R	7.03E-158	-0.3483305	0.062	0.346	1.74E-153
LIMD2	1.20E-156	-0.3580741	0.026	0.297	2.97E-152
REEP5	1.36E-156	0.26261471	0.989	0.924	3.37E-152
HMGA1	1.88E-156	-0.4922625	0.271	0.549	4.65E-152
SERPINB9	3.53E-156	-0.4980141	0.028	0.297	8.74E-152
SIDT2	3.54E-156	0.26641623	0.717	0.413	8.75E-152
OPN3	2.82E-155	0.26704077	0.694	0.396	6.97E-151
CYB5A	4.09E-155	0.29280246	0.87	0.599	1.01E-150
TP53I3	1.90E-154	0.25556687	0.52	0.247	4.69E-150
EEF2	2.15E-154	-0.3643707	0.938	0.971	5.31E-150
PTPN6	4.09E-154	0.26975492	0.938	0.736	1.01E-149
NBDY	1.58E-153	0.26148506	0.709	0.417	3.92E-149
ITGB2	3.26E-153	-0.4517007	0.921	0.96	8.06E-149
JAK1	5.94E-153	-0.3985214	0.49	0.712	1.47E-148
S100A10	6.78E-153	0.31927013	1	0.991	1.68E-148
FAM49B	1.19E-152	-0.3929368	0.703	0.83	2.94E-148
HLA-E	1.20E-152	-0.4198851	0.996	0.993	2.97E-148
MEF2C	5.49E-152	-0.4145917	0.063	0.339	1.36E-147
CLK1	6.32E-152	-0.4135847	0.288	0.564	1.57E-147
LAMTOR1	8.66E-152	0.27106087	0.965	0.875	2.14E-147
TNFAIP3	1.04E-151	-0.7735626	0.16	0.444	2.58E-147
ZFYVE16	1.55E-151	-0.4885542	0.433	0.664	3.85E-147
GNA13	2.04E-151	-0.4273761	0.356	0.618	5.04E-147
MPC1	2.12E-151	0.27568479	0.82	0.556	5.26E-147
NEAT1	3.46E-151	-0.6305201	0.999	0.998	8.55E-147
APOL6	3.91E-151	0.25930905	0.696	0.397	9.67E-147
HMGN2	1.93E-150	0.28854941	0.955	0.821	4.77E-146
NPC2	5.35E-150	-0.3463789	0.998	0.995	1.33E-145
GAS7	9.24E-150	-0.3617233	0.129	0.417	2.29E-145
CSF3R	1.33E-149	-0.5337074	0.096	0.376	3.30E-145
CYP27A1	6.64E-149	0.27870006	0.988	0.667	1.64E-144
RPS12	1.04E-148	-0.300925	1	1	2.56E-144
VSIR	1.34E-148	-0.6206022	0.181	0.448	3.31E-144

RPL13	2.53E-148	-0.3006263	1	1	6.26E-144
PBDC1	5.62E-148	0.26239268	0.752	0.465	1.39E-143
PTMA	6.02E-148	-0.3055756	1	0.999	1.49E-143
KIAA0930	1.07E-147	-0.4774096	0.368	0.618	2.64E-143
ADM	1.37E-147	-0.6107889	0.091	0.365	3.40E-143
TNNI2	8.54E-147	0.29121283	0.466	0.213	2.12E-142
NAA20	1.10E-146	0.28643318	0.826	0.584	2.72E-142
FUS	2.27E-146	-0.4379503	0.648	0.822	5.63E-142
SPAG9	1.32E-145	-0.4283786	0.32	0.581	3.27E-141
UBE2D3	1.87E-145	-0.3914769	0.901	0.945	4.62E-141
PRDX1	3.74E-145	0.28169905	0.999	0.981	9.25E-141
CD151	4.17E-145	0.31203802	0.802	0.558	1.03E-140
SLC38A2	5.85E-145	-0.4803911	0.47	0.705	1.45E-140
IFI6	3.20E-144	0.38148561	0.868	0.62	7.93E-140
PSME2	7.27E-144	0.25284563	0.942	0.792	1.80E-139
CD9	9.45E-144	0.36695198	0.981	0.811	2.34E-139
RPS26	1.98E-143	-0.416381	0.982	0.988	4.90E-139
RPL31	2.26E-143	-0.3637314	0.929	0.963	5.60E-139
MIDN	6.11E-143	-0.4662921	0.316	0.57	1.51E-138
TYROBP	6.90E-143	0.2740172	1	0.999	1.71E-138
MGAT1	8.39E-142	-0.3661555	0.858	0.912	2.08E-137
JARID2	1.83E-141	-0.3766841	0.141	0.414	4.53E-137
BTG1	5.00E-141	-0.657136	0.866	0.922	1.24E-136
AGPAT2	1.07E-140	0.26822518	0.83	0.571	2.66E-136
MIS18BP1	1.28E-140	0.26868543	0.772	0.477	3.16E-136
RPL7	1.54E-140	-0.32478	0.999	0.999	3.80E-136
NLRP3	1.78E-140	-0.5016313	0.049	0.305	4.40E-136
AVPI1	7.36E-140	0.29155496	0.707	0.435	1.82E-135
CD300A	9.63E-140	-0.3759815	0.145	0.418	2.38E-135
FMN1	4.00E-139	-0.3250987	0.098	0.37	9.91E-135
EMB	5.28E-139	-0.3530001	0.027	0.274	1.31E-134
CXCL3	7.71E-139	0.45245111	0.625	0.345	1.91E-134
CCL3	8.24E-139	-0.8746763	0.09	0.371	2.04E-134
SCPEP1	1.08E-138	0.3207128	0.915	0.742	2.69E-134
LGALS3	1.34E-138	0.28306224	1	0.982	3.32E-134
NPL	3.02E-138	-0.4616313	0.419	0.624	7.48E-134
RPS7	1.96E-134	-0.2794752	1	0.999	4.84E-130
ATF4	1.97E-134	-0.3860539	0.553	0.764	4.87E-130
SLC31A2	3.11E-133	0.25053211	0.845	0.577	7.70E-129
DNASE2B	3.97E-132	0.2743195	0.353	0.133	9.83E-128
CCR1	9.05E-132	-0.4150548	0.337	0.591	2.24E-127
ARRDC4	1.47E-131	0.28766387	0.519	0.266	3.65E-127
POU2F2	1.94E-131	-0.4316372	0.036	0.275	4.80E-127
MAT2A	2.87E-131	-0.5001772	0.438	0.648	7.11E-127
HOMER3	4.54E-131	-0.2936328	0.122	0.39	1.12E-126

TYMP	5.54E-131	-0.412893	0.978	0.983	1.37E-126
PRKAG2	1.23E-130	-0.31098	0.139	0.408	3.04E-126
VMP1	4.03E-130	-0.5911611	0.571	0.74	9.99E-126
SFPQ	1.02E-129	-0.4733184	0.586	0.748	2.54E-125
CDKN1A	1.38E-129	-0.4175031	0.326	0.594	3.41E-125
HNRNPH1	1.17E-128	-0.3969323	0.554	0.74	2.90E-124
NAIP	3.65E-128	-0.4107076	0.161	0.413	9.04E-124
ZFP36L2	9.68E-128	-0.5261785	0.789	0.877	2.40E-123
IGFBP7	1.45E-127	-0.2973139	0.073	0.324	3.59E-123
OSBPL8	2.00E-127	-0.4890508	0.552	0.721	4.95E-123
RPL35	1.42E-126	-0.2546053	1	0.999	3.52E-122
CDV3	2.28E-126	-0.3275111	0.75	0.862	5.66E-122
CYTH4	3.15E-126	-0.3282459	0.147	0.404	7.80E-122
CALM3	3.70E-126	-0.5958008	0.697	0.799	9.16E-122
RPS11	2.27E-125	-0.2792713	0.999	1	5.62E-121
MTRNR2L8	1.07E-124	-0.491139	0.339	0.611	2.65E-120
MPEG1	1.98E-124	-0.536551	0.177	0.415	4.91E-120
FUOM	7.56E-124	0.27740359	0.814	0.578	1.87E-119
MXD1	8.74E-124	-0.5684134	0.208	0.46	2.16E-119
PDK4	1.67E-123	0.26177355	0.654	0.373	4.13E-119
ANXA6	2.63E-123	-0.2857511	0.055	0.297	6.52E-119
SFTPB	3.16E-123	-0.3247048	0.11	0.358	7.82E-119
TRA2B	1.65E-122	-0.3855231	0.405	0.629	4.10E-118
LSP1	1.78E-122	-0.4453881	0.367	0.6	4.40E-118
WIPF1	5.05E-121	-0.3717299	0.449	0.655	1.25E-116
ADAM9	7.50E-121	-0.3687825	0.351	0.578	1.86E-116
RPL4	1.35E-120	-0.3016152	0.992	0.991	3.35E-116
CD300E	1.69E-120	-0.5572554	0.041	0.266	4.18E-116
ST8SIA4	2.21E-120	-0.2898644	0.038	0.264	5.48E-116
CHCHD10	7.70E-120	0.27250842	0.958	0.819	1.91E-115
PRKAR1A	3.70E-119	-0.3463334	0.513	0.711	9.17E-115
FAM20C	5.71E-119	-0.3980678	0.212	0.458	1.41E-114
CYP1B1	8.13E-118	-0.5086986	0.035	0.257	2.01E-113
MTRNR2L12	3.00E-117	-0.5780156	0.664	0.848	7.42E-113
TAGLN2	7.58E-117	0.27063712	0.973	0.883	1.88E-112
CTSB	7.62E-117	-0.5810889	0.998	0.995	1.89E-112
TSPAN3	8.74E-117	0.30247577	0.62	0.388	2.16E-112
SLC39A8	1.32E-116	-0.4009563	0.032	0.251	3.26E-112
IFIT1	1.99E-116	0.25534328	0.269	0.09	4.92E-112
RBMS1	7.38E-116	-0.3718376	0.546	0.709	1.83E-111
HNRNPC	1.34E-114	-0.3251012	0.808	0.881	3.31E-110
SNCA	2.38E-114	-0.2633609	0.067	0.299	5.88E-110
SLC43A3	3.07E-114	-0.3656743	0.262	0.5	7.59E-110
RPL35A	5.45E-114	-0.2898305	0.999	0.998	1.35E-109
SOD1	3.76E-113	0.25431307	0.915	0.784	9.31E-109

FPR3	4.92E-113	-0.493226	0.284	0.503	1.22E-108
EIF4G2	9.28E-112	-0.3361055	0.886	0.934	2.30E-107
FLOT1	1.67E-111	-0.3570391	0.314	0.558	4.14E-107
KCTD12	3.32E-111	-0.4623673	0.652	0.762	8.21E-107
HNRNPK	9.23E-111	-0.3375578	0.888	0.926	2.29E-106
TET2	1.55E-110	-0.4017492	0.221	0.457	3.85E-106
PRCP	1.92E-110	-0.3107002	0.21	0.46	4.74E-106
S100A4	2.30E-110	0.30613635	0.995	0.932	5.69E-106
SEC14L1	2.69E-110	-0.3769714	0.254	0.492	6.66E-106
RPL23	4.15E-110	-0.2861781	0.997	0.999	1.03E-105
PPIF	5.52E-110	-0.4966251	0.22	0.45	1.37E-105
UTRN	1.40E-109	-0.3700677	0.228	0.456	3.46E-105
PTPRJ	1.61E-109	-0.2962191	0.174	0.413	3.99E-105
ENO1	5.34E-109	-0.3394086	0.965	0.979	1.32E-104
SAMSN1	1.57E-108	-0.7232587	0.418	0.612	3.90E-104
NABP1	9.66E-108	-0.4541874	0.511	0.697	2.39E-103
PEA15	4.31E-107	-0.3776526	0.211	0.439	1.07E-102
MAP3K2	4.92E-107	-0.3482359	0.468	0.656	1.22E-102
NFKBIA	5.80E-107	-0.7322252	0.803	0.885	1.44E-102
AZI2	1.54E-106	0.29880863	0.662	0.434	3.81E-102
BAX	2.20E-106	0.25048149	0.927	0.78	5.45E-102
YWHAZ	9.94E-106	-0.3445518	0.901	0.934	2.46E-101
GNAI3	1.32E-105	-0.3479923	0.54	0.713	3.27E-101
METTL7A	2.32E-105	-0.302096	0.073	0.291	5.74E-101
RNF145	6.50E-105	-0.2628487	0.075	0.295	1.61E-100
H2AFY	7.34E-105	-0.2988761	0.979	0.975	1.82E-100
IRAK1	2.62E-104	-0.3447188	0.354	0.567	6.47E-100
SLC20A1	2.67E-104	-0.339502	0.201	0.434	6.60E-100
TPM4	3.39E-104	-0.4005023	0.767	0.88	8.40E-100
CHMP1B	4.01E-104	-0.4890784	0.344	0.56	9.92E-100
PDE4B	5.16E-104	-0.4900867	0.081	0.292	1.28E-99
RNASE1	5.52E-103	-0.6886401	0.048	0.258	1.37E-98
DUSP1	2.60E-102	-0.5139517	0.983	0.98	6.45E-98
ZFAS1	4.48E-102	-0.3723248	0.864	0.934	1.11E-97
ISG15	9.66E-102	0.36795055	0.731	0.49	2.39E-97
CDK6	1.24E-101	-0.2568188	0.057	0.266	3.07E-97
CARD19	1.61E-101	-0.2657656	0.166	0.401	3.99E-97
PREX1	2.52E-101	-0.3143072	0.251	0.476	6.24E-97
TPD52L2	2.55E-101	-0.2773745	0.212	0.447	6.31E-97
RSRP1	2.96E-101	-0.4129556	0.573	0.742	7.32E-97
PAG1	3.78E-101	0.27545529	0.766	0.539	9.36E-97
LRRK2	5.06E-101	-0.3608175	0.054	0.257	1.25E-96
YBX3	5.69E-101	-0.3888709	0.866	0.902	1.41E-96
C3AR1	4.34E-100	-0.434069	0.554	0.675	1.07E-95
RGS10	6.79E-100	-0.3461582	0.68	0.794	1.68E-95

RPL22L1	4.47E-99	-0.3349225	0.484	0.675	1.11E-94
G0S2	4.57E-99	-1.3287663	0.072	0.28	1.13E-94
C5AR1	1.52E-98	-0.4661309	0.803	0.882	3.77E-94
PLAUR	2.26E-98	-0.4612245	0.925	0.93	5.59E-94
KRT10	3.94E-98	-0.2987083	0.374	0.581	9.76E-94
RPL36A	6.31E-98	-0.2883267	0.543	0.719	1.56E-93
ZEB2	4.42E-97	-0.4308617	0.875	0.924	1.09E-92
DMXL2	9.88E-97	-0.3833794	0.476	0.642	2.45E-92
CSF1R	1.28E-96	-0.4945366	0.397	0.558	3.18E-92
MAFB	2.93E-96	-0.4559633	0.657	0.793	7.26E-92
ARGLU1	4.93E-96	-0.3066538	0.264	0.484	1.22E-91
CHD1	9.34E-96	-0.467277	0.366	0.557	2.31E-91
SSR4	2.56E-95	-0.2601791	0.947	0.961	6.33E-91
RPL39	3.40E-95	-0.2506655	0.999	1	8.41E-91
PTP4A2	6.98E-95	-0.3624589	0.756	0.837	1.73E-90
SET	4.69E-94	-0.2806915	0.751	0.842	1.16E-89
LYN	2.50E-93	-0.409155	0.673	0.767	6.19E-89
RBM39	2.96E-93	-0.3556549	0.707	0.813	7.33E-89
RHOC	4.68E-93	-0.3436662	0.204	0.423	1.16E-88
HNRNPA1	1.57E-92	-0.3269777	0.855	0.905	3.89E-88
OAZ2	1.16E-91	-0.2672366	0.129	0.34	2.86E-87
SQSTM1	3.67E-91	-0.4153852	0.868	0.908	9.09E-87
GALM	4.28E-91	-0.2528545	0.081	0.281	1.06E-86
FCGR2B	1.87E-90	-0.381612	0.17	0.403	4.63E-86
OTOA	2.15E-90	-0.4004772	0.205	0.428	5.33E-86
LPGAT1	3.76E-90	-0.2633791	0.14	0.352	9.31E-86
STAT3	4.96E-90	-0.3912617	0.488	0.65	1.23E-85
EEF1B2	5.28E-90	-0.2745505	0.992	0.993	1.31E-85
RBM47	6.12E-90	-0.3367408	0.63	0.766	1.52E-85
SRGAP1	6.61E-90	-0.2629038	0.06	0.252	1.64E-85
QKI	1.07E-89	-0.2925067	0.752	0.851	2.65E-85
EMP3	1.13E-89	-0.4372253	0.945	0.966	2.81E-85
INSIG1	2.38E-89	-0.4748826	0.147	0.356	5.90E-85
AQP9	5.66E-89	-0.4261235	0.424	0.604	1.40E-84
RPL18	2.77E-88	-0.2565073	1	1	6.87E-84
PNISR	3.72E-88	-0.3325343	0.494	0.66	9.21E-84
EIF4A1	5.22E-88	-0.2825478	0.721	0.822	1.29E-83
LBR	5.93E-88	-0.2767757	0.136	0.342	1.47E-83
CYFIP1	9.11E-88	-0.3261165	0.498	0.644	2.25E-83
AHR	2.40E-87	-0.3266636	0.229	0.437	5.95E-83
HNRNPD	3.69E-87	-0.3009071	0.523	0.672	9.14E-83
UBALD2	1.37E-86	-0.3232219	0.349	0.545	3.39E-82
EGR1	1.63E-86	-0.5702935	0.126	0.322	4.05E-82
CSRNP1	4.84E-86	-0.3125191	0.145	0.346	1.20E-81
RNASE6	8.09E-86	-0.3905781	0.219	0.417	2.00E-81

HNRNPF	8.71E-85	-0.2807825	0.686	0.78	2.16E-80
EIF1	1.08E-84	-0.2944135	1	1	2.68E-80
ATP6V1G1	1.59E-84	-0.2745444	0.972	0.97	3.93E-80
CXCR4	1.87E-84	-0.6124987	0.455	0.667	4.62E-80
MTHFD2	2.00E-84	-0.3325432	0.362	0.563	4.95E-80
USF2	2.27E-84	-0.3146808	0.657	0.754	5.61E-80
SWAP70	2.40E-84	-0.2721461	0.245	0.452	5.94E-80
ITGAX	3.06E-84	-0.3686237	0.664	0.766	7.57E-80
KLF10	4.60E-84	-0.3131533	0.126	0.325	1.14E-79
NORAD	4.75E-84	-0.2666928	0.38	0.575	1.18E-79
CHST11	2.00E-83	-0.3262296	0.409	0.577	4.96E-79
DICER1	2.67E-83	-0.3280224	0.503	0.651	6.60E-79
PIM1	3.54E-83	-0.3579034	0.214	0.417	8.76E-79
GADD45B	4.31E-82	-0.3951012	0.487	0.69	1.07E-77
BCL6	6.07E-82	-0.2913651	0.131	0.327	1.50E-77
PTEN	7.19E-82	-0.3419142	0.456	0.618	1.78E-77
H1FX	1.18E-81	-0.3290133	0.355	0.557	2.93E-77
ARID5B	1.31E-81	-0.3273933	0.244	0.451	3.25E-77
CD36	7.84E-81	-0.5583793	0.421	0.616	1.94E-76
KMT2E	1.66E-80	-0.2914722	0.428	0.599	4.10E-76
DDX17	4.59E-80	-0.3203689	0.728	0.832	1.14E-75
CLEC5A	4.68E-80	-0.4818386	0.092	0.272	1.16E-75
EIF4H	6.22E-80	-0.2649248	0.441	0.617	1.54E-75
TNIP1	6.29E-80	-0.2673075	0.122	0.317	1.56E-75
KLF9	2.87E-79	-0.3142746	0.243	0.435	7.11E-75
SF1	6.41E-79	-0.2809767	0.405	0.582	1.59E-74
SUB1	8.46E-79	-0.3115863	0.902	0.918	2.09E-74
TMEM176B	1.34E-78	-0.4181771	0.077	0.254	3.32E-74
SMAP2	1.53E-78	-0.4135343	0.481	0.635	3.79E-74
TACC1	1.55E-78	-0.2863655	0.438	0.607	3.84E-74
AREG	5.71E-78	-0.8777515	0.406	0.625	1.41E-73
SLC44A1	7.47E-78	-0.2771568	0.15	0.346	1.85E-73
WSB1	1.01E-77	-0.3958899	0.739	0.822	2.49E-73
CAMK1	1.24E-77	-0.2642979	0.133	0.327	3.07E-73
NDRG1	1.46E-77	-0.275823	0.121	0.311	3.62E-73
MALT1	2.76E-77	-0.2506708	0.127	0.314	6.84E-73
LHFPL2	3.48E-77	-0.3666138	0.37	0.536	8.62E-73
TRPS1	6.61E-77	-0.2776662	0.174	0.367	1.64E-72
HIPK3	3.47E-76	-0.2745534	0.266	0.462	8.60E-72
SLPI	4.82E-76	-0.3095005	0.086	0.259	1.19E-71
UBE2J1	1.20E-75	-0.3050591	0.406	0.575	2.97E-71
LGMN	2.99E-75	-0.8437412	0.468	0.627	7.40E-71
PLEK	9.27E-75	-0.5652646	0.651	0.72	2.30E-70
MAP3K20	6.09E-74	-0.2509567	0.134	0.318	1.51E-69
CUX1	1.29E-73	-0.2682964	0.226	0.418	3.19E-69

TLE3	1.79E-73	-0.2635735	0.174	0.36	4.43E-69
NFIL3	1.96E-72	-0.3358192	0.29	0.467	4.85E-68
MED13L	2.44E-72	-0.2534361	0.183	0.37	6.05E-68
RYBP	3.21E-72	-0.2845986	0.179	0.365	7.94E-68
PAPSS2	7.13E-72	-0.2776667	0.186	0.376	1.77E-67
ZNF267	1.07E-71	-0.2602895	0.188	0.374	2.66E-67
TLN1	1.23E-70	-0.2780702	0.729	0.8	3.05E-66
CAPZB	6.65E-70	-0.250792	0.861	0.907	1.65E-65
IQGAP1	2.26E-69	-0.2848296	0.914	0.928	5.60E-65
MPP1	1.38E-68	-0.3042092	0.674	0.731	3.42E-64
CSNK1A1	4.12E-68	-0.2856321	0.716	0.8	1.02E-63
ASPH	8.01E-68	-0.3099317	0.36	0.522	1.98E-63
LILRB3	2.13E-67	-0.2786458	0.476	0.635	5.26E-63
HLA-A	1.07E-66	-0.2741456	1	0.999	2.64E-62
RILPL2	1.11E-66	-0.337802	0.564	0.664	2.74E-62
PPP1R15A	1.99E-66	-0.3361396	0.605	0.731	4.93E-62
NFE2L2	2.19E-66	-0.336553	0.686	0.782	5.41E-62
PSAP	2.24E-66	-0.2861019	1	0.998	5.56E-62
GPBP1	2.72E-66	-0.2642632	0.353	0.516	6.74E-62
LUC7L3	4.30E-66	-0.2743412	0.442	0.586	1.06E-61
NFKB1	1.09E-65	-0.3256868	0.201	0.372	2.70E-61
MCL1	1.52E-65	-0.4911691	0.949	0.927	3.75E-61
PMP22	1.71E-65	-0.3738404	0.387	0.543	4.24E-61
RAB20	2.49E-65	-0.2725543	0.47	0.613	6.17E-61
SRSF3	1.39E-64	-0.3144434	0.832	0.863	3.44E-60
SLC25A6	1.49E-64	-0.2977281	0.947	0.967	3.70E-60
PHC2	2.03E-64	-0.3115764	0.336	0.502	5.03E-60
IFNAR1	3.38E-64	-0.2592609	0.385	0.55	8.36E-60
AC020916.1	3.73E-64	-0.318196	0.196	0.373	9.24E-60
KDM6B	7.71E-64	-0.3644395	0.381	0.528	1.91E-59
CYSTM1	1.44E-63	-0.3239981	0.623	0.71	3.56E-59
SMCHD1	3.06E-63	-0.3426636	0.291	0.455	7.57E-59
FOLR2	1.28E-62	-0.5331114	0.104	0.261	3.17E-58
EZR	2.94E-62	-0.3181607	0.482	0.624	7.28E-58
DDX21	9.94E-62	-0.3236481	0.74	0.796	2.46E-57
MATK	1.03E-61	-0.3807515	0.141	0.305	2.56E-57
TNFRSF14	1.66E-61	-0.2603373	0.399	0.554	4.10E-57
ELL2	3.15E-61	-0.3709501	0.402	0.54	7.81E-57
ATP6V1C1	4.44E-61	-0.2570089	0.399	0.551	1.10E-56
MAP2K3	6.10E-61	-0.29089	0.233	0.399	1.51E-56
DEK	7.99E-61	-0.2655777	0.797	0.845	1.98E-56
LCP2	8.95E-61	-0.3414522	0.436	0.565	2.22E-56
WTAP	5.38E-60	-0.2884188	0.337	0.492	1.33E-55
SEC61G	1.64E-59	-0.2665338	0.803	0.85	4.07E-55
SDC2	2.51E-59	-0.4487614	0.35	0.516	6.22E-55

RHOQ	2.66E-59	-0.2535943	0.662	0.74	6.59E-55
PER1	5.85E-59	-0.2696037	0.262	0.421	1.45E-54
BZW1	9.77E-59	-0.270285	0.688	0.766	2.42E-54
PLP2	1.17E-58	-0.2592098	0.435	0.579	2.89E-54
PDIA6	1.48E-58	-0.2849512	0.768	0.816	3.65E-54
LRRC25	3.22E-58	-0.2710746	0.293	0.447	7.97E-54
CSGALNACT2	3.24E-58	-0.2637412	0.452	0.601	8.01E-54
ACSL3	4.23E-58	-0.3090134	0.431	0.561	1.05E-53
NPC1	7.13E-58	-0.2913194	0.292	0.446	1.77E-53
C16orf72	7.76E-58	-0.2556502	0.276	0.435	1.92E-53
MGAT4A	1.45E-57	-0.2722155	0.282	0.441	3.59E-53
CD55	1.64E-57	-0.5152682	0.691	0.757	4.05E-53
TPM3	4.29E-57	-0.3051884	0.95	0.94	1.06E-52
TUBA1A	9.86E-57	-0.3489719	0.475	0.626	2.44E-52
PLCG2	1.32E-56	-0.2743004	0.225	0.39	3.27E-52
GNAQ	2.18E-56	-0.2845378	0.58	0.678	5.39E-52
MAP4K4	6.67E-56	-0.2744133	0.268	0.426	1.65E-51
SAP30	9.32E-56	-0.3658307	0.258	0.412	2.31E-51
AOAH	3.26E-55	-0.2602762	0.155	0.302	8.07E-51
VAMP5	6.67E-55	-0.330223	0.167	0.318	1.65E-50
CREG1	7.34E-55	-0.304124	0.882	0.85	1.82E-50
PRNP	9.94E-55	-0.266858	0.503	0.627	2.46E-50
GK	1.36E-54	-0.4162008	0.698	0.734	3.36E-50
SOAT1	4.07E-54	-0.3462387	0.68	0.722	1.01E-49
CFP	9.20E-54	-0.3151804	0.117	0.257	2.28E-49
TUBA1C	1.36E-53	-0.2784042	0.659	0.741	3.38E-49
ERBIN	3.43E-53	-0.2635377	0.335	0.485	8.50E-49
CKAP4	3.58E-53	-0.2578103	0.135	0.283	8.86E-49
MS4A6A	3.75E-53	-0.6800467	0.551	0.592	9.27E-49
PLTP	6.17E-53	-0.4419615	0.136	0.285	1.53E-48
NUMB	6.43E-53	-0.2716889	0.371	0.511	1.59E-48
RAB32	9.35E-53	-0.2547364	0.62	0.713	2.31E-48
CCNL1	3.73E-52	-0.3120665	0.602	0.694	9.24E-48
FGR	6.84E-52	-0.279923	0.752	0.77	1.69E-47
RB1	1.63E-51	-0.2533006	0.255	0.403	4.04E-47
DSE	1.68E-51	-0.3467631	0.478	0.576	4.16E-47
UGCG	1.71E-51	-0.2595254	0.231	0.391	4.23E-47
PABPC1	6.09E-51	-0.2604125	0.998	0.993	1.51E-46
HSPA1B	7.61E-51	-0.4122607	0.391	0.548	1.88E-46
AHNAK	1.31E-49	-0.2598596	0.807	0.875	3.25E-45
CMTM6	2.86E-49	-0.3051629	0.831	0.833	7.09E-45
HNRNPDL	7.85E-49	-0.256069	0.819	0.841	1.94E-44
SCGB1A1	1.45E-48	-0.3029542	0.418	0.534	3.59E-44
PLPP3	9.96E-48	-0.3168481	0.219	0.358	2.46E-43
BTG2	1.05E-47	-0.2843698	0.243	0.392	2.59E-43

IFI16	5.04E-47	-0.2717231	0.686	0.741	1.25E-42
IVNS1ABP	4.48E-46	-0.363671	0.52	0.621	1.11E-41
NR4A1	4.61E-45	-0.325201	0.327	0.462	1.14E-40
SORL1	1.01E-44	-0.3079935	0.196	0.328	2.51E-40
LGALS1	2.46E-43	-0.2823558	0.993	0.989	6.09E-39
UCP2	3.21E-43	-0.2562877	0.64	0.701	7.96E-39
HNRNPA2B1	5.09E-43	-0.2831093	0.986	0.966	1.26E-38
GLIPR1	6.88E-43	-0.2703727	0.661	0.719	1.70E-38
ZFAND5	7.32E-43	-0.278572	0.876	0.913	1.81E-38
CALU	1.51E-42	-0.2540755	0.587	0.642	3.74E-38
ATP6V1A	2.07E-42	-0.279369	0.582	0.649	5.12E-38
PLSCR1	3.53E-42	-0.269189	0.643	0.707	8.74E-38
STK17B	6.32E-42	-0.3402467	0.362	0.465	1.56E-37
MT-ND4L	9.30E-42	-0.2541428	0.986	0.983	2.30E-37
JUND	6.40E-39	-0.2789819	0.965	0.967	1.58E-34
UBE2D1	1.24E-38	-0.2514068	0.449	0.557	3.08E-34
VCAN	3.14E-38	-1.1143267	0.458	0.543	7.78E-34
MAP3K8	3.99E-38	-0.3967849	0.501	0.565	9.87E-34
IFNGR2	4.78E-38	-0.2641773	0.619	0.666	1.18E-33
PELI1	6.26E-37	-0.2924411	0.227	0.348	1.55E-32
CPD	5.62E-35	-0.2541506	0.266	0.383	1.39E-30
NFKBIZ	1.82E-33	-0.2999714	0.239	0.355	4.51E-29
H3F3A	5.36E-33	-0.3375122	1	1	1.33E-28
LITAF	5.79E-33	-0.3163387	0.979	0.959	1.43E-28
ATP1B3	6.45E-33	-0.3152146	0.963	0.948	1.60E-28
IL1B	1.40E-29	-0.314377	0.388	0.238	3.47E-25
SFTPC	1.74E-29	-0.3376439	0.445	0.524	4.31E-25
DNAJB1	2.91E-29	-0.2518812	0.462	0.58	7.20E-25
TSC22D3	5.14E-28	-0.3218454	0.812	0.83	1.27E-23
NR4A3	6.11E-28	-0.2902845	0.342	0.442	1.51E-23
OGFRL1	4.34E-27	-0.2595649	0.576	0.627	1.07E-22
MALAT1	4.30E-26	-0.4313721	1	1	1.06E-21
C15orf48	9.45E-25	-0.4859415	0.395	0.471	2.34E-20
CHIT1	1.02E-24	-1.2763043	0.179	0.266	2.53E-20
HCLS1	3.95E-24	-0.2667962	0.748	0.716	9.78E-20
IGKC	1.12E-23	-0.4909022	0.195	0.29	2.78E-19
GDF15	7.49E-23	-0.4494828	0.167	0.264	1.86E-18
S100A8	2.43E-22	-2.2878879	0.607	0.612	6.02E-18
ACSL1	6.95E-22	-0.2774303	0.795	0.819	1.72E-17
ALCAM	7.06E-22	-0.305124	0.707	0.703	1.75E-17
ABL2	1.30E-20	-0.2674839	0.42	0.487	3.22E-16
HSPA1A	1.73E-20	-0.4392277	0.826	0.812	4.28E-16
MAF	1.07E-18	-0.2513743	0.317	0.387	2.65E-14
CXCL2	1.12E-17	-0.3873118	0.285	0.364	2.77E-13
RNF144B	1.78E-17	-0.2579784	0.335	0.395	4.40E-13

MGLL	1.41E-16	-0.2965506	0.433	0.469	3.49E-12
GPNMB	1.56E-13	-0.665607	0.988	0.806	3.85E-09
CPM	2.34E-13	-0.3113521	0.799	0.742	5.79E-09
MT2A	5.95E-12	-0.2990372	0.773	0.695	1.47E-07
MFSD12	7.44E-12	-0.2651948	0.603	0.605	1.84E-07
SCGB3A1	2.03E-11	-0.3264673	0.605	0.605	5.02E-07
HLA-DQA2	2.11E-09	0.38336982	0.362	0.354	5.22E-05
BCL2A1	6.95E-09	-0.2717439	0.907	0.835	0.00017208
EREG	1.16E-07	-0.4508865	0.24	0.281	0.00287913
HLA-DRB5	2.43E-07	0.48723033	0.392	0.417	0.0060173
THBD	1.70E-06	-0.3201083	0.418	0.428	0.04209296
SERPINB1	2.22E-06	-0.2601516	0.868	0.847	0.05500138
IL1RN	4.53E-06	-0.3426468	0.411	0.332	0.11226087
S100A9	5.41E-06	-1.5714578	0.976	0.902	0.13386633
CIR1	0.00175633	-0.3202151	0.562	0.531	1
GM2A	0.00401843	-0.3267038	0.72	0.632	1
HMOX1	0.03125796	-0.353167	0.625	0.586	1
CTSL	0.58018314	-0.3150765	0.986	0.914	1