

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
SPP1	0	3.09827681	0.651	0.318	0
GPNMB	0	1.54686652	0.975	0.696	0
APOE	0	1.38559281	0.917	0.735	0
LGMN	0	1.33972154	0.763	0.416	0
PLA2G7	0	1.14901438	0.794	0.25	0
CSTB	0	1.05047122	0.998	0.988	0
CTSD	0	0.89093724	0.999	0.98	0
SDC2	0	0.8714892	0.677	0.276	0
CTSL	0	0.85100381	0.974	0.878	0
GM2A	0	0.78956791	0.782	0.505	0
FNIP2	0	0.775799	0.784	0.372	0
CTSB	0	0.7719616	0.997	0.994	0
EMP1	0	0.74143675	0.647	0.282	0
APOC1	0	0.73306972	0.948	0.759	0
PLD3	0	0.73163347	0.82	0.638	0
LILRB4	0	0.72942358	0.742	0.342	0
CAPG	0	0.72417797	0.968	0.811	0
DAB2	0	0.7098914	0.966	0.737	0
LGALS3	0	0.70723288	0.997	0.973	0
ACP5	0	0.68932015	0.97	0.77	0
CTSZ	0	0.68401779	0.994	0.982	0
TREM2	0	0.66998791	0.731	0.393	0
CD84	0	0.65528969	0.725	0.383	0
OTOA	0	0.6548229	0.612	0.139	0
CYP27A1	0	0.64524453	0.862	0.586	0
MATK	0	0.62061307	0.445	0.088	0
RALA	0	0.61842933	0.751	0.42	0
SOAT1	0	0.61403857	0.835	0.582	0
LAMP1	0	0.61255446	0.979	0.878	0
HS3ST2	0	0.60400013	0.294	0.017	0
PDXK	0	0.58584087	0.933	0.779	0
PLPP3	0	0.56130686	0.521	0.125	0
TM4SF19	0	0.55848819	0.358	0.059	0
CD63	0	0.55799021	1	0.999	0
ABCA1	0	0.52450972	0.642	0.275	0
CD68	0	0.51959293	0.998	0.981	0
LHFPL2	0	0.50924652	0.678	0.316	0
SGK1	0	0.48880979	0.885	0.669	0
ATP6V1F	0	0.48349186	0.995	0.967	0
CALU	0	0.4792283	0.762	0.49	0
FAM20C	0	0.47804639	0.576	0.231	0
NRP2	0	0.47424253	0.607	0.193	0
CREG1	0	0.47082475	0.918	0.789	0
VAT1	0	0.46892032	0.799	0.463	0

HEXB	0	0.46480984	0.949	0.813	0
MCRIP2	0	0.46438745	0.64	0.297	0
USF2	0	0.46231993	0.849	0.612	0
TMEM38B	0	0.44993391	0.581	0.243	0
BRI3	0	0.4449232	0.999	0.997	0
CHST11	0	0.44450675	0.701	0.376	0
ATP6V0D2	0	0.44241672	0.406	0.092	0
HM13	0	0.43994916	0.841	0.613	0
SLC29A3	0	0.43985572	0.48	0.125	0
SDSL	0	0.43852946	0.596	0.255	0
PSAP	0	0.43843172	1	0.997	0
NPC1	0	0.43645774	0.579	0.241	0
VIM	0	0.40849418	1	1	0
NPC2	0	0.37421937	0.998	0.993	0
ASAH1	0	0.36683818	0.994	0.976	0
TIMP2	0	0.36181744	0.976	0.909	0
SLC26A11	0	0.34065115	0.416	0.1	0
GSDME	0	0.33501826	0.365	0.036	0
TPT1	0	-0.3264986	1	1	0
ITM2B	0	-0.3902017	0.979	0.997	0
MYL12A	0	-0.3935029	0.981	0.996	0
MTPN	0	-0.3966249	0.847	0.945	0
LCP1	0	-0.4456956	0.932	0.985	0
CASP1	0	-0.4547447	0.396	0.685	0
CST3	0	-0.4636994	0.994	1	0
JPT1	0	-0.468147	0.609	0.836	0
PYCARD	0	-0.4792395	0.762	0.919	0
ARHGDI8	0	-0.5031475	0.797	0.97	0
CFP	0	-0.5126683	0.091	0.379	0
STXBP2	0	-0.5422532	0.625	0.831	0
GMFG	0	-0.5634486	0.874	0.98	0
GPD1	0	-0.5672217	0.032	0.31	0
FPR2	0	-0.573271	0.127	0.456	0
RNF149	0	-0.5794345	0.624	0.885	0
C1orf162	0	-0.5874301	0.758	0.961	0
H3F3A	0	-0.600519	0.999	1	0
JAML	0	-0.640395	0.335	0.708	0
PTPRC	0	-0.671235	0.874	0.987	0
CARD16	0	-0.6737809	0.346	0.745	0
MNDA	0	-0.6797795	0.706	0.881	0
AIF1	0	-0.7142885	0.859	0.99	0
COTL1	0	-0.7429942	0.923	0.992	0
PLAC8	0	-0.7472429	0.05	0.347	0
GCA	0	-0.7675869	0.502	0.813	0
S100A4	0	-0.7840723	0.902	0.991	0

FPR1	0	-0.7915844	0.422	0.749	0
SRGN	0	-0.8214736	0.985	0.999	0
SAMSN1	0	-0.8778139	0.455	0.703	0
LST1	0	-0.9464915	0.703	0.957	0
SERPINA1	0	-0.9632203	0.66	0.94	0
NAMPT	0	-1.2272641	0.826	0.902	0
VCAN	0	-1.4342003	0.376	0.689	0
THBS1	0	-1.5791207	0.202	0.686	0
ATP6AP1	4.71E-307	0.37032484	0.96	0.863	1.17E-302
A2M	1.53E-305	0.68178932	0.579	0.266	3.78E-301
PLTP	2.75E-304	0.62573174	0.401	0.1	6.81E-300
TNS3	3.09E-303	0.4284252	0.636	0.314	7.65E-299
GALM	1.13E-301	0.32924089	0.384	0.09	2.79E-297
DNAJA1	1.28E-301	-0.4246369	0.862	0.956	3.16E-297
IFITM2	8.60E-300	-1.2187791	0.222	0.497	2.13E-295
HTRA4	3.60E-298	0.32862341	0.311	0.045	8.91E-294
FPR3	4.17E-298	0.47034192	0.623	0.285	1.03E-293
IL1B	1.64E-297	-0.8712155	0.126	0.419	4.06E-293
CSTA	3.01E-296	-0.4696765	0.579	0.782	7.45E-292
GBP2	3.44E-295	-0.5074353	0.245	0.547	8.51E-291
ADGRE1	1.69E-290	-0.3186753	0.028	0.262	4.18E-286
HSD3B7	6.79E-289	0.4205029	0.552	0.234	1.68E-284
GPX4	1.61E-287	0.41200394	0.996	0.982	3.99E-283
CHIT1	1.44E-282	2.05506673	0.381	0.107	3.57E-278
HAMP	5.22E-280	0.68632384	0.261	0.025	1.29E-275
CD9	9.88E-279	0.47675754	0.95	0.731	2.45E-274
P2RX4	1.42E-278	0.39167489	0.732	0.423	3.52E-274
BCAT1	1.45E-278	0.40652412	0.71	0.385	3.60E-274
MGLL	1.75E-277	0.56238673	0.602	0.311	4.34E-273
FCN1	1.39E-276	-1.228757	0.243	0.495	3.44E-272
FABP4	1.04E-275	-1.3313219	0.284	0.565	2.58E-271
SVIL	7.95E-274	-0.4416509	0.181	0.46	1.97E-269
PDLIM1	1.24E-273	-0.5315685	0.186	0.471	3.07E-269
NR1H3	1.31E-272	0.51063945	0.473	0.177	3.25E-268
BCAP31	1.68E-272	0.42660214	0.938	0.835	4.16E-268
DDX5	1.49E-269	-0.3445147	0.982	0.998	3.69E-265
CXXC5	6.41E-268	0.34414853	0.462	0.164	1.59E-263
DOCK8	6.13E-267	-0.3914296	0.477	0.705	1.52E-262
CD300E	1.61E-266	-0.6492968	0.099	0.355	3.99E-262
PRELID1	7.00E-266	-0.424959	0.835	0.941	1.73E-261
MFSD12	1.88E-265	0.5470121	0.734	0.465	4.64E-261
PLA2G16	3.72E-263	-0.5049229	0.206	0.472	9.22E-259
PMP22	9.56E-261	0.48866967	0.655	0.359	2.37E-256
ANXA4	2.96E-259	0.42564796	0.801	0.586	7.33E-255
RNF130	4.54E-258	0.32205629	0.952	0.874	1.12E-253

DDIT4	1.36E-256	-0.7096592	0.314	0.574	3.38E-252
FTL	6.86E-256	0.49491379	1	1	1.70E-251
RIPOR2	7.56E-256	-0.6353282	0.074	0.314	1.87E-251
ALDH2	2.60E-254	-0.7764335	0.735	0.881	6.44E-250
SLAMF8	4.50E-253	0.35549544	0.577	0.27	1.11E-248
GDF15	2.43E-252	0.88382733	0.373	0.106	6.02E-248
RAB42	7.45E-252	0.30832895	0.379	0.107	1.84E-247
RARRES1	4.79E-249	0.65955254	0.279	0.047	1.18E-244
MRAS	1.01E-248	0.37703247	0.497	0.203	2.51E-244
IGFBP2	1.10E-248	-0.7075994	0.097	0.344	2.73E-244
TMEM251	6.40E-248	0.37654616	0.69	0.39	1.58E-243
CTSK	3.76E-247	1.61375342	0.283	0.052	9.31E-243
S100A12	6.66E-247	-1.8562079	0.058	0.283	1.65E-242
HBEGF	6.27E-245	-0.5343931	0.466	0.709	1.55E-240
C15orf48	4.94E-244	0.65099069	0.596	0.305	1.22E-239
NPL	9.65E-244	0.37905479	0.725	0.432	2.39E-239
S100A8	9.81E-244	-2.4843036	0.51	0.721	2.43E-239
PECAM1	2.67E-243	-0.388885	0.516	0.742	6.60E-239
KIAA0930	8.56E-243	0.44332478	0.703	0.426	2.12E-238
HMGA1	1.12E-242	0.45294599	0.634	0.346	2.77E-238
LINC01857	7.35E-240	0.27210314	0.28	0.049	1.82E-235
PRDX1	8.52E-240	0.35903028	0.994	0.973	2.11E-235
CCL2	2.76E-239	1.45510482	0.369	0.111	6.83E-235
TBC1D2	5.23E-239	0.32064678	0.524	0.228	1.29E-234
SECTM1	4.25E-238	-0.3124316	0.093	0.332	1.05E-233
CCL3	4.26E-238	0.7656014	0.455	0.168	1.06E-233
NTAN1	4.54E-238	0.40938519	0.668	0.384	1.12E-233
TMSB4X	9.13E-238	-0.3268051	1	1	2.26E-233
RGS1	3.11E-237	0.42126168	0.626	0.317	7.69E-233
ATOX1	2.14E-236	0.40261167	0.9	0.791	5.29E-232
TDP2	2.16E-236	0.32298728	0.537	0.24	5.34E-232
ICAM3	3.52E-236	-0.3826151	0.079	0.311	8.72E-232
CCR1	1.16E-235	0.35963281	0.69	0.383	2.87E-231
RPS13	6.11E-235	-0.2896219	0.999	1	1.51E-230
RASSF5	6.23E-235	-0.3397226	0.173	0.429	1.54E-230
ADAM9	2.82E-234	0.33701222	0.678	0.38	6.98E-230
SLC38A6	5.49E-234	0.28609527	0.498	0.206	1.36E-229
RASGRP2	3.61E-233	-0.2638157	0.09	0.328	8.93E-229
AMDHD2	5.14E-230	0.28718836	0.494	0.204	1.27E-225
PDE4B	5.68E-230	-0.5932724	0.136	0.375	1.41E-225
FABP5	2.93E-229	0.58765988	0.97	0.875	7.25E-225
VASP	1.79E-227	-0.3254112	0.761	0.909	4.42E-223
VSIR	9.37E-226	-0.6383266	0.288	0.512	2.32E-221
RRAGD	2.04E-225	0.32614544	0.678	0.384	5.04E-221
YWHAB	2.54E-224	-0.3001529	0.946	0.99	6.29E-220

CCND3	4.91E-223	-0.3630701	0.265	0.517	1.22E-218
MCL1	5.49E-223	-0.4722456	0.892	0.974	1.36E-218
CPM	1.47E-221	0.57110273	0.819	0.682	3.64E-217
TNS1	1.59E-221	0.26156055	0.364	0.108	3.93E-217
ABHD12	2.04E-221	0.32796607	0.639	0.364	5.06E-217
TKT	4.18E-221	-0.3743125	0.903	0.966	1.03E-216
S100A9	8.24E-220	-1.810577	0.894	0.94	2.04E-215
MMP9	1.82E-219	1.41745991	0.274	0.054	4.52E-215
ACP2	2.29E-219	0.3672214	0.547	0.274	5.67E-215
ANXA2	2.60E-219	0.37330542	0.997	0.987	6.43E-215
CTSA	2.68E-218	0.35610821	0.91	0.796	6.64E-214
LIPA	7.83E-217	0.56503421	0.902	0.811	1.94E-212
PNRC1	1.26E-214	-0.6379026	0.709	0.815	3.12E-210
SLC29A1	6.09E-214	0.29651108	0.405	0.15	1.51E-209
SQSTM1	1.71E-212	0.40408558	0.945	0.852	4.23E-208
SERPINB1	3.28E-212	-0.550497	0.806	0.899	8.13E-208
BLVRB	1.10E-211	0.39019727	0.912	0.774	2.72E-207
HAGHL	1.55E-211	0.25004707	0.349	0.104	3.85E-207
SDS	1.88E-211	0.45191823	0.312	0.079	4.65E-207
STK17B	5.43E-210	-0.463656	0.333	0.566	1.34E-205
SERPINB9	1.49E-209	-0.5183468	0.138	0.361	3.69E-205
TCF7L2	2.01E-209	-0.3958265	0.265	0.506	4.99E-205
TMEM173	1.23E-208	-0.3198573	0.191	0.437	3.05E-204
GLMP	3.89E-208	0.30358666	0.537	0.26	9.62E-204
FGL2	3.71E-207	-0.7413931	0.286	0.507	9.18E-203
MAPK13	9.15E-205	0.26332013	0.401	0.148	2.27E-200
AQP3	1.48E-204	-0.4886994	0.156	0.389	3.65E-200
CD93	2.65E-204	-0.5485112	0.17	0.411	6.55E-200
SMIM3	2.74E-204	0.30898037	0.523	0.234	6.78E-200
SLC16A6	3.83E-204	0.35964868	0.413	0.159	9.47E-200
PSMB9	1.34E-203	-0.3441938	0.551	0.752	3.33E-199
HNRNPA2B1	4.04E-203	-0.3189031	0.95	0.991	1.00E-198
MYH9	5.20E-203	-0.3193223	0.544	0.752	1.29E-198
CAT	1.49E-202	-0.3103236	0.58	0.749	3.69E-198
HCLS1	1.28E-201	-0.3693217	0.652	0.798	3.18E-197
MPP1	1.11E-197	0.32033468	0.822	0.61	2.75E-193
MGAT1	1.20E-197	0.28778402	0.944	0.855	2.98E-193
RAP2B	1.26E-197	0.33184488	0.722	0.444	3.13E-193
TSPAN4	5.95E-197	0.39830915	0.568	0.318	1.47E-192
TTYH3	1.48E-196	0.32121879	0.579	0.297	3.67E-192
ACTB	5.83E-196	-0.3372333	1	1	1.44E-191
SLC39A11	3.06E-195	0.27346783	0.428	0.175	7.57E-191
SERP1	1.11E-194	-0.323049	0.95	0.985	2.74E-190
PABPC1	1.54E-193	-0.3500797	0.99	0.999	3.81E-189
CD55	4.44E-192	-0.6301242	0.678	0.816	1.10E-187

DBI	8.23E-192	0.34120049	0.982	0.962	2.04E-187
LGALS3BP	2.66E-191	-0.4651822	0.234	0.459	6.59E-187
SSH2	4.29E-191	-0.3207286	0.274	0.509	1.06E-186
PARAL1	4.35E-190	-0.2565125	0.077	0.278	1.08E-185
JUNB	3.03E-189	-0.5155824	0.931	0.959	7.51E-185
SEMA3C	1.57E-188	0.32178463	0.478	0.222	3.88E-184
IL4I1	2.35E-188	0.28553092	0.302	0.082	5.81E-184
SLC1A3	2.75E-188	0.33094586	0.639	0.359	6.80E-184
TREM1	3.19E-188	-0.4789112	0.466	0.648	7.90E-184
LDHB	9.86E-187	-0.3824716	0.579	0.76	2.44E-182
CYFIP1	4.53E-186	0.32760831	0.726	0.496	1.12E-181
B3GNT2	1.32E-184	0.28034873	0.474	0.22	3.27E-180
BTG1	3.05E-184	-0.5500398	0.885	0.939	7.55E-180
CD99	1.66E-183	0.37721837	0.852	0.719	4.11E-179
LILRA5	2.40E-183	-0.3982228	0.119	0.321	5.94E-179
INHBA	2.57E-183	-0.7950347	0.144	0.364	6.36E-179
AKAP13	3.98E-183	-0.3121442	0.753	0.903	9.85E-179
H2AFY	5.69E-183	0.27378436	0.984	0.967	1.41E-178
SMS	6.36E-181	0.33655427	0.779	0.593	1.57E-176
PLIN2	1.17E-179	0.55266882	0.969	0.923	2.90E-175
BTG2	3.45E-179	-0.3972782	0.252	0.482	8.54E-175
SLC43A3	1.05E-177	0.32580874	0.574	0.323	2.59E-173
KCNMA1	2.55E-177	0.32680628	0.462	0.215	6.32E-173
BCL2L1	3.55E-176	0.26562704	0.493	0.241	8.79E-172
MYO1G	8.20E-176	-0.3399624	0.305	0.53	2.03E-171
MAP3K8	1.26E-175	-0.502011	0.47	0.642	3.13E-171
PIK3IP1	6.61E-175	0.26109099	0.368	0.141	1.64E-170
CD164	9.53E-175	0.2953181	0.976	0.937	2.36E-170
PSME2	3.73E-174	-0.2941748	0.762	0.886	9.23E-170
FHL1	7.53E-174	-0.289329	0.07	0.259	1.86E-169
ACTR2	7.75E-173	-0.2945305	0.936	0.987	1.92E-168
CYSTM1	1.23E-172	0.2733699	0.793	0.587	3.03E-168
CD302	3.66E-172	-0.3192942	0.343	0.562	9.07E-168
GBA	3.87E-171	0.25970703	0.515	0.263	9.58E-167
CORO1A	5.31E-168	-0.5835326	0.337	0.505	1.31E-163
H2AFZ	7.96E-168	-0.2792069	0.89	0.956	1.97E-163
UGCG	7.39E-167	0.3113226	0.477	0.234	1.83E-162
PLEKHM2	1.16E-166	0.26569967	0.57	0.319	2.87E-162
STAT3	2.14E-166	-0.3953776	0.535	0.709	5.29E-162
CSF1	2.61E-166	0.39903818	0.304	0.097	6.45E-162
GLDN	3.84E-166	-0.4598394	0.118	0.316	9.51E-162
RDX	8.59E-166	0.35457941	0.698	0.479	2.13E-161
LILRB5	2.09E-165	0.33003772	0.254	0.067	5.18E-161
PHLDA1	9.93E-165	0.42572931	0.498	0.261	2.46E-160
LGALS1	2.56E-164	0.36146917	0.991	0.989	6.33E-160

IRAK1	1.15E-163	0.30573486	0.642	0.399	2.86E-159
CASP4	4.77E-162	-0.3263954	0.509	0.697	1.18E-157
SNTB1	5.84E-162	0.27775542	0.535	0.289	1.45E-157
HCK	1.86E-161	-0.3267877	0.538	0.686	4.60E-157
P2RX7	9.79E-161	0.28652241	0.501	0.26	2.42E-156
PCOLCE2	3.56E-160	-0.5381262	0.191	0.385	8.81E-156
SUB1	4.52E-160	-0.2977937	0.886	0.945	1.12E-155
MXD1	7.57E-160	-0.5590205	0.322	0.507	1.87E-155
SYAP1	1.72E-158	-0.3909113	0.399	0.59	4.25E-154
MCEMP1	5.67E-158	-0.6242825	0.452	0.623	1.40E-153
QSOX1	1.02E-157	-0.2945902	0.357	0.559	2.53E-153
LDHA	5.51E-157	-0.2970591	0.834	0.934	1.36E-152
GNPDA1	1.19E-156	0.26935512	0.587	0.342	2.94E-152
AC026369.3	5.53E-156	-0.5639398	0.186	0.387	1.37E-151
FAIM	3.60E-155	0.30118638	0.339	0.133	8.90E-151
LRRK2	1.21E-154	-0.400623	0.128	0.314	3.00E-150
IER5	2.16E-154	-0.3536771	0.542	0.717	5.34E-150
FCGR3A	2.37E-154	-0.5321294	0.636	0.78	5.86E-150
TBXAS1	4.34E-154	-0.2900805	0.571	0.73	1.07E-149
TOMM40	1.72E-153	0.39772845	0.581	0.368	4.25E-149
GPSM3	3.85E-153	-0.3029381	0.725	0.822	9.53E-149
CD276	1.61E-152	0.28210067	0.447	0.221	3.98E-148
TUBA1C	2.58E-152	0.33534493	0.797	0.647	6.39E-148
AGFG1	5.07E-152	-0.3446315	0.494	0.653	1.26E-147
DOK2	6.96E-152	-0.3026855	0.559	0.71	1.72E-147
CMTM6	2.39E-151	-0.3162408	0.77	0.901	5.92E-147
MPEG1	6.18E-151	-0.4583224	0.276	0.468	1.53E-146
LY6E	3.39E-150	-0.3729586	0.568	0.739	8.40E-146
PABPC4	3.04E-149	0.33831631	0.81	0.628	7.52E-145
ALCAM	3.91E-149	0.43970312	0.775	0.627	9.69E-145
CLN8	3.47E-148	0.26035941	0.607	0.363	8.60E-144
VMP1	6.11E-148	-0.4284042	0.64	0.778	1.51E-143
IER2	7.50E-147	-0.5136291	0.453	0.633	1.86E-142
SEPHS2	2.20E-142	0.2748077	0.617	0.395	5.45E-138
ATP6V1A	1.65E-141	0.33432152	0.726	0.539	4.09E-137
ZFYVE16	2.34E-141	0.3423378	0.718	0.512	5.78E-137
DPP7	4.92E-140	0.25094707	0.907	0.824	1.22E-135
FCHO2	2.42E-139	0.30633731	0.606	0.395	5.99E-135
DECR1	1.22E-138	-0.3472584	0.576	0.697	3.01E-134
RSRP1	3.58E-138	-0.3360966	0.649	0.774	8.86E-134
VEGFB	7.56E-137	0.28450246	0.754	0.556	1.87E-132
IL1RAP	5.78E-136	-0.2936839	0.201	0.396	1.43E-131
RETN	1.29E-134	-0.6014029	0.309	0.513	3.18E-130
PNPLA6	4.82E-134	-0.3515641	0.45	0.596	1.19E-129
SLC2A3	1.62E-133	-0.7640797	0.614	0.72	4.01E-129

AOAH	6.50E-133	-0.292795	0.186	0.368	1.61E-128
EVL	1.66E-132	-0.3566484	0.43	0.602	4.10E-128
SPARC	1.94E-129	0.45013788	0.299	0.124	4.80E-125
TXN	2.17E-129	0.28144874	0.99	0.953	5.37E-125
CD109	4.64E-129	0.25335648	0.37	0.174	1.15E-124
TXNIP	9.50E-129	-0.3853229	0.882	0.941	2.35E-124
TMEM70	1.05E-128	0.25120757	0.633	0.413	2.59E-124
CD81	1.07E-128	0.26521269	0.982	0.918	2.66E-124
FTH1	1.18E-128	0.27103841	1	1	2.92E-124
SFPQ	2.62E-128	-0.316379	0.649	0.789	6.48E-124
NRP1	9.28E-128	0.30209709	0.498	0.291	2.30E-123
AREG	1.07E-127	-0.9040263	0.499	0.672	2.64E-123
SLC25A37	1.42E-127	-0.6675869	0.273	0.437	3.51E-123
PPA1	5.98E-127	-0.259428	0.372	0.568	1.48E-122
HNRNPA1	9.95E-126	-0.2544186	0.867	0.925	2.46E-121
RBP7	1.40E-125	-0.3113413	0.197	0.381	3.47E-121
TNFSF10	2.63E-124	-0.2956749	0.097	0.258	6.51E-120
NLRP3	5.24E-124	-0.4405582	0.173	0.344	1.30E-119
IRAK3	3.07E-123	-0.351736	0.569	0.704	7.60E-119
MME	3.94E-123	-0.3756911	0.119	0.282	9.76E-119
IDI1	1.67E-122	-0.3459858	0.293	0.465	4.13E-118
CD52	1.95E-122	-0.3804237	0.819	0.919	4.83E-118
ALOX5AP	2.89E-122	-0.5811698	0.743	0.782	7.16E-118
ETS2	4.25E-122	-0.3232972	0.564	0.721	1.05E-117
FDX1	6.27E-122	0.6216157	0.711	0.58	1.55E-117
SOCS3	9.64E-122	-0.7351825	0.533	0.615	2.39E-117
TMEM176B	1.97E-121	0.40150637	0.304	0.129	4.87E-117
SERPING1	3.18E-120	-0.5406502	0.209	0.379	7.87E-116
ITGB1BP1	6.17E-120	0.34342988	0.588	0.403	1.53E-115
MITF	9.44E-120	0.25078319	0.576	0.355	2.34E-115
LIMS1	2.36E-119	0.26420503	0.923	0.863	5.84E-115
TXNRD1	8.18E-119	0.29897977	0.582	0.383	2.02E-114
HIPK2	2.49E-118	-0.2787564	0.383	0.555	6.18E-114
FCGR2B	1.31E-117	0.30770345	0.461	0.245	3.25E-113
SDC4	2.56E-117	0.26223122	0.45	0.243	6.34E-113
ALOX5	1.48E-116	-0.4077473	0.621	0.687	3.65E-112
MIDN	1.05E-115	-0.3474402	0.45	0.597	2.60E-111
HSD17B11	1.29E-115	-0.2623263	0.439	0.593	3.18E-111
POU2F2	1.98E-115	-0.4001217	0.153	0.311	4.91E-111
CCDC69	2.04E-115	-0.2841773	0.119	0.273	5.05E-111
SRSF5	2.47E-115	-0.2554404	0.743	0.856	6.12E-111
NFKBIA	7.34E-115	-0.5984232	0.845	0.896	1.82E-110
PLBD1	1.77E-114	-0.3937461	0.656	0.743	4.37E-110
WSB1	3.28E-114	-0.3353882	0.762	0.853	8.13E-110
ATF3	7.98E-114	0.39273091	0.72	0.561	1.98E-109

CLEC7A	6.43E-112	-0.2664206	0.621	0.765	1.59E-107
FKBP5	8.87E-112	-0.2751117	0.647	0.796	2.20E-107
TSPO	1.01E-111	-0.2937363	0.988	0.993	2.49E-107
CCRL2	1.62E-110	0.28005635	0.51	0.302	4.01E-106
IFITM3	2.73E-110	-0.5674859	0.404	0.559	6.76E-106
MT2A	9.56E-110	-0.651098	0.625	0.803	2.37E-105
RNASET2	9.90E-110	-0.2578383	0.764	0.883	2.45E-105
CHD1	1.08E-109	-0.4048081	0.456	0.588	2.68E-105
CD83	2.37E-109	0.25035457	0.772	0.571	5.88E-105
LYZ	2.46E-109	-0.5777292	0.99	0.993	6.08E-105
GNB4	3.14E-109	0.26076909	0.687	0.51	7.77E-105
NEAT1	4.51E-109	-0.405384	0.997	0.999	1.12E-104
TUBB	4.51E-109	0.29154489	0.871	0.8	1.12E-104
FAM89A	1.21E-107	-0.4344733	0.307	0.451	2.99E-103
NDUFB9	4.95E-107	0.27429478	0.817	0.711	1.23E-102
ABL2	8.21E-107	0.30605654	0.569	0.371	2.03E-102
NPM1	3.90E-106	0.27182553	0.99	0.974	9.65E-102
C1QA	1.30E-105	-0.6287805	0.752	0.814	3.23E-101
FOLR2	4.04E-105	0.53755257	0.308	0.146	1.00E-100
G0S2	6.55E-105	-1.1640951	0.166	0.318	1.62E-100
NR4A1	2.52E-104	-0.2640792	0.352	0.527	6.24E-100
RGCC	4.48E-104	0.59506217	0.829	0.73	1.11E-99
GBP1	8.86E-104	-0.4038613	0.269	0.435	2.19E-99
PELI1	1.43E-103	-0.3606114	0.249	0.405	3.55E-99
ARL4A	2.58E-103	-0.2613552	0.574	0.712	6.38E-99
HEBP1	2.76E-103	0.25729245	0.567	0.379	6.82E-99
CPVL	7.04E-103	-0.2711685	0.705	0.841	1.74E-98
BAZ1A	1.51E-101	-0.2719112	0.596	0.713	3.73E-97
GLA	3.65E-101	0.25584872	0.647	0.461	9.04E-97
DUSP1	4.32E-101	-0.3486558	0.971	0.991	1.07E-96
EHD1	1.64E-100	-0.2951381	0.142	0.292	4.07E-96
CCL18	1.11E-98	0.41590301	0.798	0.658	2.76E-94
NUPR1	2.13E-98	0.63474571	0.591	0.457	5.26E-94
SLC16A10	6.57E-97	0.25942325	0.508	0.312	1.63E-92
S100A13	1.23E-96	-0.2603258	0.188	0.345	3.03E-92
SMAP2	5.97E-96	-0.3614773	0.555	0.658	1.48E-91
CALM3	1.17E-95	0.51700846	0.808	0.748	2.90E-91
ABHD5	4.95E-95	-0.3491877	0.623	0.729	1.22E-90
RNF144B	7.36E-95	-0.3451512	0.31	0.462	1.82E-90
PLEKHO1	1.31E-94	0.34727567	0.563	0.377	3.25E-90
IRS2	4.52E-94	-0.2978481	0.499	0.63	1.12E-89
STOM	6.12E-94	-0.2535777	0.52	0.65	1.51E-89
CD59	1.16E-92	0.28746567	0.632	0.491	2.88E-88
THBD	1.57E-92	-0.3733755	0.347	0.511	3.89E-88
ZFP36	1.25E-91	-0.3507981	0.599	0.73	3.10E-87

LILRB2	4.28E-88	-0.4360701	0.362	0.473	1.06E-83
PFKFB3	1.46E-85	-0.3663826	0.24	0.372	3.61E-81
CALR	3.42E-85	0.30699074	0.949	0.919	8.47E-81
VAMP5	4.97E-85	-0.3337234	0.221	0.362	1.23E-80
MAT2A	2.79E-84	-0.3252308	0.554	0.664	6.91E-80
PAG1	7.81E-84	-0.3395577	0.532	0.638	1.93E-79
PTP4A2	1.88E-83	-0.2882724	0.792	0.853	4.65E-79
CREM	2.62E-83	-0.4425203	0.464	0.565	6.49E-79
MS4A4A	5.07E-83	0.34005865	0.859	0.8	1.26E-78
LMNA	8.34E-83	0.32430642	0.865	0.725	2.07E-78
H3F3B	2.24E-82	-0.333954	0.998	1	5.53E-78
JUN	3.82E-82	0.33834048	0.852	0.739	9.45E-78
GYPC	7.51E-81	-0.27646	0.49	0.585	1.86E-76
CSF3R	4.25E-78	-0.499928	0.266	0.382	1.05E-73
SNHG12	1.60E-77	0.32126397	0.408	0.251	3.96E-73
IRF1	4.79E-77	-0.3315489	0.323	0.468	1.19E-72
CSRNP1	7.97E-77	-0.2577053	0.245	0.375	1.97E-72
SELENOK	3.92E-76	-0.2733484	0.686	0.77	9.70E-72
SLA	7.78E-76	-0.2502745	0.623	0.75	1.93E-71
CYTIP	1.25E-75	-0.2807678	0.492	0.608	3.10E-71
PDIA6	2.82E-73	0.26687297	0.83	0.782	6.99E-69
MAFB	1.54E-71	0.28469741	0.805	0.725	3.82E-67
MAF	4.51E-71	0.25114254	0.45	0.291	1.12E-66
CEBPD	4.42E-70	-0.490261	0.658	0.711	1.09E-65
ARID5B	4.62E-70	0.26854673	0.484	0.333	1.14E-65
MIR3945HG	7.56E-70	-0.3031258	0.244	0.375	1.87E-65
DUSP2	2.81E-69	-0.5180478	0.283	0.391	6.95E-65
METTL9	4.23E-69	-0.2803547	0.344	0.474	1.05E-64
FOSL2	4.90E-69	-0.3271477	0.466	0.561	1.21E-64
PTEN	5.11E-69	-0.2625823	0.544	0.633	1.26E-64
CTSC	2.50E-68	-0.352499	0.908	0.939	6.18E-64
TET2	2.57E-68	-0.2947197	0.361	0.466	6.35E-64
EREG	7.23E-68	-0.6383399	0.212	0.339	1.79E-63
SLC3A2	1.57E-67	0.31286135	0.867	0.801	3.87E-63
LYN	3.58E-67	-0.2947352	0.717	0.784	8.86E-63
TIMP1	1.57E-65	-0.3151243	0.784	0.867	3.89E-61
CLEC4E	3.86E-65	-0.2602974	0.279	0.405	9.56E-61
TSC22D3	5.14E-65	-0.2538901	0.784	0.873	1.27E-60
HLA-DMB	5.66E-64	0.28695782	0.828	0.803	1.40E-59
NAIP	1.27E-63	-0.2643984	0.311	0.422	3.13E-59
EGR1	2.15E-61	-0.2811334	0.22	0.353	5.33E-57
RGS2	8.70E-60	-0.5026798	0.582	0.646	2.15E-55
HMGB2	2.93E-59	-0.308361	0.384	0.491	7.25E-55
DDX3X	6.35E-59	-0.261697	0.815	0.838	1.57E-54
TNFAIP3	4.27E-58	-0.4639416	0.337	0.444	1.06E-53

SAT1	1.62E-56	-0.3590372	0.999	1	4.02E-52
MARCO	5.04E-53	0.27899682	0.818	0.737	1.25E-48
TNFRSF1B	8.25E-53	-0.458182	0.481	0.513	2.04E-48
INSIG1	1.22E-52	-0.3799061	0.267	0.367	3.01E-48
C1QB	1.23E-52	-0.4318164	0.746	0.806	3.06E-48
C5AR1	1.51E-52	-0.3249667	0.865	0.869	3.73E-48
REL	1.08E-51	-0.2567165	0.733	0.802	2.68E-47
SMCHD1	1.44E-51	-0.3028446	0.38	0.47	3.56E-47
TUBA1A	3.86E-51	-0.2913082	0.554	0.643	9.56E-47
ADGRE2	9.06E-51	-0.3056936	0.348	0.425	2.24E-46
NFKBIZ	9.43E-48	-0.2801429	0.281	0.387	2.34E-43
SORL1	5.85E-45	-0.2725228	0.256	0.352	1.45E-40
RBP4	1.47E-44	-0.5207285	0.18	0.272	3.63E-40
BIRC3	8.52E-41	-0.3216431	0.17	0.255	2.11E-36
TFRC	4.20E-39	0.25730205	0.831	0.787	1.04E-34
PTPRE	5.55E-34	-0.2741711	0.546	0.563	1.37E-29
CD36	2.34E-30	0.46255113	0.617	0.537	5.80E-26
OSBPL8	4.53E-30	0.28745231	0.72	0.654	1.12E-25
ADM	7.61E-28	-0.3390722	0.279	0.347	1.88E-23
IVNS1ABP	2.98E-27	-0.2602157	0.58	0.625	7.37E-23
SFTPC	1.74E-23	-0.3766304	0.476	0.545	4.30E-19
VEGFA	9.68E-22	-0.3501774	0.269	0.318	2.40E-17
HERPUD1	1.86E-18	-0.255085	0.742	0.768	4.61E-14
IGKC	2.70E-18	0.85307367	0.309	0.231	6.69E-14
FN1	3.57E-15	-0.474083	0.53	0.584	8.83E-11
ZFP36L1	4.21E-15	-0.3159468	0.66	0.635	1.04E-10
CIR1	4.10E-12	0.4291816	0.554	0.52	1.01E-07
CXCR4	3.17E-09	-0.3902691	0.63	0.621	7.85E-05
AC020656.1	6.07E-09	-0.2659983	0.743	0.75	0.00015014
CXCL8	4.17E-08	-0.3535616	0.321	0.26	0.00103244
FOS	9.49E-08	-0.2514058	0.939	0.945	0.00234994
IL1RN	0.21895846	0.47704469	0.333	0.363	1
HMOX1	0.45708054	0.2602922	0.608	0.578	1
SOD2	0.7963145	-0.4847448	0.817	0.688	1