

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
SPP1	0	3.30283596	0.802	0.205	0
CCL2	0	1.9948943	0.459	0.077	0
LGMN	0	1.33368645	0.828	0.496	0
RGS1	0	1.19074799	0.719	0.268	0
MARCKS	0	1.16429467	0.722	0.179	0
CCL3	0	1.15787983	0.538	0.131	0
A2M	0	0.98929751	0.686	0.186	0
CTSB	0	0.96867367	1	0.995	0
EMP1	0	0.943562	0.736	0.269	0
CD84	0	0.932686	0.833	0.341	0
LILRB4	0	0.9031076	0.827	0.342	0
CALM3	0	0.88730018	0.873	0.654	0
GPR183	0	0.8415434	0.66	0.203	0
FNIP2	0	0.81529597	0.826	0.384	0
PLEKHO1	0	0.74960591	0.656	0.206	0
CD48	0	0.73841137	0.667	0.182	0
FPR3	0	0.68726644	0.72	0.317	0
SGK1	0	0.66610425	0.918	0.679	0
ABCA1	0	0.63707043	0.702	0.296	0
HM13	0	0.63642167	0.891	0.542	0
LIMS1	0	0.60535518	0.947	0.825	0
TTYH3	0	0.58333966	0.679	0.213	0
LGALS1	0	0.57432743	0.994	0.993	0
PEA15	0	0.56913487	0.601	0.182	0
BCAT1	0	0.56184105	0.773	0.387	0
PKM	0	0.49634252	0.979	0.894	0
PLXNC1	0	0.47733876	0.497	0.087	0
MERTK	0	0.4662937	0.444	0.064	0
NPC2	0	0.45058585	0.998	0.998	0
UQCRH	0	-0.373841	0.958	0.992	0
RPS13	0	-0.4018476	0.999	1	0
ECH1	0	-0.4193362	0.558	0.849	0
TPT1	0	-0.4347695	1	1	0
PARAL1	0	-0.4358691	0.064	0.469	0
CPE	0	-0.4368413	0.013	0.337	0
HDDC2	0	-0.44388	0.391	0.758	0
MS4A7	0	-0.4581219	0.94	0.981	0
HLA-C	0	-0.4654576	1	1	0
FHL1	0	-0.5086502	0.05	0.436	0
CARD16	0	-0.5150242	0.335	0.692	0
TCF7L2	0	-0.5186155	0.248	0.644	0
AMIGO2	0	-0.5226192	0.133	0.597	0
APIP	0	-0.5248723	0.337	0.754	0
CSTA	0	-0.5283578	0.518	0.875	0

JAML	0	-0.5618308	0.293	0.682	0
GYPC	0	-0.5708427	0.459	0.807	0
UBB	0	-0.5890095	0.993	0.999	0
MME	0	-0.5953736	0.099	0.469	0
PPARG	0	-0.6110167	0.622	0.92	0
ALOX5	0	-0.6222565	0.653	0.841	0
TREM1	0	-0.6279699	0.476	0.803	0
TKT	0	-0.6607396	0.874	0.987	0
ABHD5	0	-0.6813329	0.555	0.91	0
CTSC	0	-0.6898143	0.89	0.983	0
SVIL	0	-0.7128398	0.13	0.67	0
PDLIM1	0	-0.7297069	0.188	0.565	0
VSIG4	0	-0.7297283	0.791	0.944	0
GLDN	0	-0.7369432	0.102	0.519	0
PLA2G16	0	-0.7524615	0.188	0.663	0
ALOX5AP	0	-0.7701429	0.749	0.926	0
AKR1C3	0	-0.7895276	0.145	0.562	0
LGALS3BP	0	-0.807229	0.175	0.675	0
GPD1	0	-0.8113859	0.024	0.49	0
MCEMP1	0	-0.8727933	0.451	0.799	0
C1QB	0	-0.9319413	0.711	0.922	0
C1QA	0	-0.9766247	0.71	0.939	0
PCOLCE2	0	-0.9832754	0.128	0.718	0
FAM89A	0	-1.0054767	0.201	0.828	0
SERPINA1	0	-1.0691101	0.643	0.896	0
INHBA	0	-1.1939465	0.136	0.569	0
AC026369.3	0	-1.2082625	0.101	0.711	0
ALDH2	0	-1.3045516	0.678	0.953	0
FABP4	0	-2.0163981	0.222	0.736	0
LDHB	1.53E-305	-0.6181672	0.558	0.812	3.79E-301
FAM20C	3.33E-305	0.56697224	0.651	0.266	8.24E-301
SMIM3	4.58E-305	0.50258338	0.601	0.189	1.13E-300
MLPH	9.51E-305	-0.442316	0.12	0.479	2.35E-300
AQP3	3.26E-303	-0.7007463	0.169	0.53	8.06E-299
PHLDA3	5.09E-293	-0.4731545	0.308	0.699	1.26E-288
IGFBP2	1.43E-289	-0.9611267	0.096	0.427	3.54E-285
MMP9	1.19E-288	1.86942388	0.351	0.024	2.95E-284
C1QC	7.78E-284	-0.6362589	0.62	0.936	1.93E-279
LHFPL2	1.02E-282	0.53946945	0.763	0.417	2.53E-278
HPGD	1.81E-282	-0.4602363	0.357	0.769	4.48E-278
STMN1	4.26E-282	-0.5201672	0.312	0.685	1.05E-277
CES1	3.78E-281	-0.946273	0.169	0.522	9.37E-277
STAC	1.11E-279	-0.3347326	0.132	0.483	2.76E-275
PLA2G7	5.30E-279	0.74868647	0.799	0.447	1.31E-274
CD99	1.80E-278	0.49466758	0.919	0.726	4.45E-274

MATK	1.96E-278	0.67090094	0.528	0.16	4.84E-274
PLTP	3.35E-278	0.79541187	0.5	0.133	8.29E-274
FFAR4	8.83E-278	-0.3685415	0.077	0.402	2.19E-273
SLC43A3	6.90E-277	0.49196754	0.664	0.297	1.71E-272
SEC11A	5.71E-275	-0.3396788	0.908	0.985	1.41E-270
SOD2	1.37E-273	0.70027997	0.837	0.499	3.40E-269
GCHFR	2.51E-273	-0.5712781	0.722	0.962	6.20E-269
POR	2.66E-273	-0.3904957	0.462	0.797	6.58E-269
RNF130	2.46E-270	0.40381664	0.964	0.882	6.08E-266
ABCG1	1.16E-267	-0.5962875	0.526	0.79	2.88E-263
TYMP	1.01E-266	0.50023947	0.992	0.957	2.50E-262
CSF1R	5.09E-266	0.6013769	0.659	0.318	1.26E-261
FAM198B	1.36E-264	0.36473669	0.501	0.124	3.37E-260
EMP3	2.11E-264	0.67747464	0.975	0.941	5.23E-260
RETN	4.47E-263	-0.874712	0.286	0.655	1.11E-258
CYFIP1	1.38E-262	0.46862463	0.804	0.517	3.42E-258
RPL28	1.95E-262	-0.3020808	1	1	4.83E-258
TBC1D10C	2.64E-255	-0.3309857	0.093	0.407	6.54E-251
RHOC	3.84E-255	0.49425362	0.544	0.178	9.51E-251
LY6E	4.79E-255	-0.5749768	0.542	0.816	1.19E-250
SERPING1	4.85E-255	-0.8235707	0.203	0.53	1.20E-250
IL4I1	8.66E-255	0.44643223	0.377	0.054	2.14E-250
CYB5A	3.01E-254	-0.4236033	0.589	0.864	7.46E-250
RGS2	1.04E-252	0.82796522	0.658	0.323	2.58E-248
LTA4H	6.80E-252	-0.4586757	0.778	0.951	1.68E-247
CAT	7.37E-248	-0.3856121	0.564	0.819	1.83E-243
SARAF	1.17E-247	-0.3168989	0.906	0.981	2.90E-243
RBP4	1.79E-246	-0.8874176	0.166	0.495	4.42E-242
C3AR1	6.44E-245	0.56603194	0.764	0.509	1.59E-240
OLR1	1.40E-242	-0.4855667	0.675	0.891	3.45E-238
H2AFZ	2.51E-241	-0.3612727	0.865	0.969	6.20E-237
AP1S2	2.95E-241	0.48282912	0.738	0.415	7.30E-237
STAB1	1.69E-239	0.68704472	0.307	0.023	4.19E-235
C15orf48	1.36E-234	0.86558386	0.69	0.374	3.36E-230
ATP10A	1.02E-233	-0.2818846	0.051	0.323	2.52E-229
PPIC	2.92E-231	-0.3896548	0.163	0.487	7.24E-227
ADAMTSL4	4.01E-231	-0.3807885	0.378	0.691	9.93E-227
FRMD4B	6.26E-231	0.38251139	0.494	0.155	1.55E-226
AGRP	3.57E-230	-0.5193449	0.087	0.38	8.84E-226
MTSS1	6.79E-230	0.34868577	0.311	0.029	1.68E-225
DECR1	1.98E-228	-0.5082507	0.592	0.785	4.90E-224
PLEK	6.18E-228	0.65170632	0.797	0.543	1.53E-223
TNFRSF1B	9.05E-224	0.43260005	0.548	0.208	2.24E-219
KIAA0930	3.35E-223	0.52299705	0.745	0.45	8.30E-219
CD52	2.92E-219	-0.587841	0.797	0.931	7.22E-215

RPS19	1.08E-218	-0.3233267	0.999	1	2.66E-214
LEPROTL1	8.19E-218	-0.3192657	0.594	0.84	2.03E-213
C1orf162	1.31E-216	-0.4157167	0.766	0.904	3.23E-212
ADAM9	2.53E-214	0.41206754	0.734	0.43	6.25E-210
CCPG1	6.88E-212	-0.4167411	0.562	0.826	1.70E-207
AHNAK	1.12E-211	0.45631774	0.926	0.768	2.78E-207
LRPAP1	3.61E-208	-0.3587395	0.873	0.969	8.93E-204
CITED2	4.01E-206	-0.4221796	0.523	0.787	9.92E-202
JPT1	4.63E-206	-0.4770659	0.635	0.798	1.15E-201
CPM	4.15E-205	0.6195195	0.866	0.744	1.03E-200
CTSK	9.74E-205	1.77918475	0.348	0.072	2.41E-200
CTSW	1.52E-204	-0.2639056	0.031	0.263	3.76E-200
FOLR2	2.57E-204	0.84312586	0.385	0.098	6.37E-200
ATP1A1	2.78E-204	0.44013289	0.786	0.536	6.89E-200
RPS20	5.45E-204	-0.2931255	0.998	1	1.35E-199
RNF149	4.09E-203	-0.3819837	0.625	0.829	1.01E-198
PRKCB	1.02E-200	0.3419452	0.432	0.124	2.53E-196
EVL	1.87E-200	-0.5158839	0.433	0.691	4.62E-196
MTRNR2L1	2.41E-200	-0.4226981	0.05	0.295	5.96E-196
ATP6V1B2	3.14E-200	0.415605	0.914	0.795	7.78E-196
PTPRE	5.43E-200	0.48672077	0.602	0.291	1.34E-195
RPS4Y1	5.76E-200	-0.6516318	0.261	0.551	1.42E-195
OASL	2.22E-198	-0.3545409	0.117	0.396	5.50E-194
MFSD1	2.27E-198	0.41552611	0.881	0.721	5.62E-194
ENO1	1.40E-196	0.40982665	0.98	0.963	3.46E-192
ICAM1	2.42E-196	0.3938061	0.415	0.116	5.99E-192
ZFP36L1	7.67E-196	0.63264327	0.677	0.368	1.90E-191
ANTXR2	9.38E-196	0.27493317	0.334	0.061	2.32E-191
CORO1A	1.39E-195	0.42178808	0.415	0.118	3.44E-191
THBS1	4.24E-195	-0.5541517	0.189	0.499	1.05E-190
TNNI2	1.81E-194	-0.3394041	0.188	0.475	4.49E-190
SLAMF8	3.09E-194	0.39317915	0.655	0.348	7.64E-190
NR4A2	7.31E-194	0.61940098	0.71	0.43	1.81E-189
CD63	1.87E-193	0.35237293	1	1	4.63E-189
PLXND1	8.87E-193	0.35562907	0.558	0.244	2.19E-188
CHI3L1	3.50E-192	2.08648929	0.282	0.035	8.67E-188
TMEM176B	8.30E-192	0.60056047	0.365	0.089	2.05E-187
RNASE1	3.03E-191	1.01925216	0.314	0.053	7.51E-187
SNX2	2.10E-190	-0.3895866	0.815	0.922	5.21E-186
TOMM7	3.90E-190	-0.2590683	0.957	0.988	9.66E-186
PMP22	9.08E-190	0.53127568	0.718	0.448	2.25E-185
ITGAM	3.39E-188	0.38475979	0.747	0.431	8.39E-184
PYCARD	1.46E-187	-0.4269976	0.79	0.874	3.61E-183
GALM	3.14E-187	0.34390047	0.434	0.138	7.78E-183
CTSZ	3.81E-187	0.55324358	0.995	0.995	9.42E-183

CCR1	4.84E-187	0.41910229	0.736	0.438	1.20E-182
LILRB2	1.97E-186	0.33908672	0.457	0.16	4.87E-182
TPM3	2.08E-186	0.42553145	0.961	0.888	5.15E-182
AL035446.1	2.34E-186	-0.2630891	0.176	0.459	5.78E-182
GLRX	4.44E-186	-0.4035712	0.877	0.956	1.10E-181
PTPMT1	8.04E-186	-0.3418446	0.485	0.733	1.99E-181
CD300LF	1.27E-185	-0.3039695	0.392	0.682	3.13E-181
PPDPF	6.71E-185	-0.3659649	0.9	0.978	1.66E-180
KCTD12	1.31E-184	0.53505773	0.792	0.61	3.25E-180
11-Sep	3.69E-184	-0.4237996	0.549	0.73	9.13E-180
LSM6	1.20E-183	-0.283268	0.503	0.767	2.97E-179
CHIT1	1.12E-182	1.88251156	0.449	0.172	2.77E-178
MSR1	1.15E-182	-0.4361716	0.836	0.932	2.86E-178
PSAP	2.04E-182	0.37381227	1	1	5.06E-178
SNX10	4.65E-182	-0.3256852	0.808	0.952	1.15E-177
DAB2	6.76E-182	0.39848832	0.972	0.964	1.67E-177
MARCO	7.46E-182	-0.4047517	0.787	0.968	1.85E-177
ARID5B	8.29E-182	0.45614135	0.552	0.249	2.05E-177
PDIA6	9.14E-182	0.44339393	0.878	0.741	2.26E-177
MAFB	1.64E-181	0.57085142	0.845	0.671	4.07E-177
SELENOP	1.05E-179	1.21284113	0.254	0.025	2.61E-175
IGBP1	1.18E-179	-0.3210786	0.376	0.648	2.93E-175
MYL12A	1.31E-179	-0.2876209	0.979	0.994	3.24E-175
TAX1BP1	5.77E-179	-0.2872137	0.804	0.926	1.43E-174
IL6R	7.39E-177	0.29698019	0.382	0.104	1.83E-172
HMGN2	1.44E-176	-0.2978882	0.782	0.931	3.57E-172
RPL30	4.19E-176	-0.2796579	1	1	1.04E-171
PLBD1	2.16E-175	-0.4400254	0.671	0.839	5.36E-171
SNCA	3.04E-174	0.29496615	0.425	0.133	7.52E-170
RPS14	6.43E-174	-0.2719108	1	1	1.59E-169
NCF2	1.14E-173	-0.2778345	0.903	0.984	2.82E-169
SH3BGRL3	8.31E-173	0.41868228	0.999	0.998	2.06E-168
SPOCD1	1.80E-172	-0.3636204	0.174	0.447	4.46E-168
RARRES1	8.93E-172	0.74726704	0.333	0.083	2.21E-167
SRGN	1.51E-171	0.5743206	0.992	0.986	3.73E-167
RGL1	3.25E-171	0.38383636	0.41	0.13	8.04E-167
SPHK1	1.28E-170	0.28409327	0.281	0.044	3.16E-166
PAG1	2.91E-170	-0.4001704	0.488	0.736	7.21E-166
CDK6	5.65E-170	0.27969651	0.333	0.075	1.40E-165
ACP2	2.40E-168	0.39655253	0.625	0.349	5.93E-164
NAGK	2.86E-168	0.44096126	0.791	0.605	7.08E-164
CTSH	9.71E-168	0.40348664	0.954	0.875	2.40E-163
PEBP1	1.17E-167	-0.2905486	0.879	0.974	2.90E-163
PNPLA6	1.31E-167	-0.4410178	0.5	0.686	3.23E-163
VDAC2	2.70E-167	-0.3006737	0.806	0.927	6.67E-163

CMKLR1	3.63E-166	0.28292841	0.304	0.061	8.98E-162
CALU	4.65E-166	0.40469904	0.806	0.616	1.15E-161
MREG	6.09E-166	0.26996218	0.299	0.057	1.51E-161
ATP1B1	1.41E-165	-0.3677365	0.38	0.65	3.48E-161
ATP13A3	1.64E-164	0.42458813	0.675	0.408	4.05E-160
FYB1	7.63E-164	0.46655391	0.757	0.55	1.89E-159
S100A13	3.60E-163	-0.4143203	0.196	0.457	8.92E-159
GPNMB	8.96E-162	0.52617187	0.957	0.989	2.22E-157
HNMT	1.52E-161	-0.292363	0.754	0.9	3.75E-157
IRAK1	1.59E-161	0.38608626	0.691	0.424	3.94E-157
RNASE6	4.66E-161	0.41048695	0.469	0.195	1.15E-156
NPC1	5.16E-161	0.40600796	0.628	0.361	1.28E-156
PTPRJ	5.66E-159	0.29464542	0.472	0.189	1.40E-154
SLAMF7	6.87E-159	0.49560743	0.265	0.042	1.70E-154
FAM129B	8.38E-159	0.30702614	0.354	0.1	2.07E-154
PHYH	2.53E-158	-0.2562549	0.354	0.617	6.26E-154
CLEC5A	2.82E-158	0.59850281	0.35	0.105	6.98E-154
SDC2	4.36E-158	0.59560316	0.707	0.445	1.08E-153
CYTH4	1.79E-157	0.2877997	0.431	0.158	4.42E-153
KCNN4	3.64E-157	0.26478917	0.338	0.088	9.01E-153
DOCK11	6.88E-157	-0.2665887	0.409	0.666	1.70E-152
ECM1	9.21E-157	0.25292522	0.262	0.041	2.28E-152
UCP2	1.15E-155	0.39574421	0.776	0.566	2.84E-151
HOMER3	2.92E-155	0.29418141	0.5	0.213	7.24E-151
CEBPD	1.14E-154	0.66200648	0.677	0.433	2.81E-150
FOSB	7.56E-154	0.57893971	0.696	0.444	1.87E-149
DOCK8	1.50E-153	-0.319474	0.502	0.711	3.71E-149
RNF145	2.30E-153	0.27077816	0.344	0.096	5.68E-149
NACA	8.28E-153	-0.2643985	0.999	1	2.05E-148
ITGAX	9.29E-153	0.38304639	0.854	0.676	2.30E-148
ALCAM	1.50E-152	0.51655634	0.825	0.688	3.72E-148
SLC7A7	1.57E-152	-0.2590418	0.837	0.95	3.88E-148
FGL2	1.70E-152	0.5588913	0.353	0.108	4.20E-148
ADGRE2	4.61E-152	0.31271772	0.413	0.147	1.14E-147
MGLL	5.23E-152	0.54801402	0.645	0.434	1.29E-147
CD59	2.46E-150	0.39485513	0.73	0.506	6.09E-146
NPL	5.82E-150	0.39648843	0.741	0.521	1.44E-145
SLC1A4	6.85E-150	0.2812863	0.313	0.078	1.70E-145
SLC39A8	8.21E-150	0.3261761	0.265	0.047	2.03E-145
GAS7	2.07E-149	0.28019018	0.455	0.18	5.12E-145
BASP1	3.20E-149	0.4498648	0.694	0.387	7.92E-145
HNRNPA3	4.16E-149	0.41462459	0.836	0.692	1.03E-144
ADAM8	8.48E-149	0.26575869	0.27	0.05	2.10E-144
NOP53	2.12E-148	-0.3869951	0.553	0.746	5.25E-144
CHST11	3.31E-148	0.35462713	0.732	0.492	8.20E-144

TNS3	8.35E-147	0.3764452	0.702	0.478	2.07E-142
SLC11A1	1.28E-146	-0.2777261	0.866	0.989	3.16E-142
SPATS2L	2.78E-146	-0.2769839	0.419	0.663	6.89E-142
RHBDD2	2.86E-146	-0.2509278	0.226	0.474	7.09E-142
EMB	2.92E-146	0.28515857	0.275	0.056	7.23E-142
PCBP1	4.43E-146	0.3021495	0.961	0.902	1.10E-141
S1PR4	7.31E-146	-0.2800082	0.261	0.513	1.81E-141
C9orf16	1.06E-145	-0.3711759	0.755	0.892	2.62E-141
CD36	1.37E-145	0.81683451	0.671	0.439	3.39E-141
LILRB5	1.96E-145	0.4205943	0.316	0.087	4.86E-141
ANKH	2.05E-145	0.29153059	0.325	0.091	5.07E-141
CXCL16	2.15E-145	-0.2991931	0.887	0.952	5.32E-141
OLFML2B	3.70E-144	0.25191812	0.273	0.054	9.17E-140
SOCS3	2.74E-143	0.40681427	0.564	0.285	6.78E-139
SPN	2.77E-143	-0.38447	0.456	0.675	6.85E-139
HCAR2	3.57E-143	-0.2731935	0.095	0.315	8.83E-139
TLR2	6.83E-143	0.40760641	0.45	0.2	1.69E-138
TMEM176A	1.60E-142	0.33242016	0.282	0.064	3.96E-138
FBP1	4.26E-142	-0.5591846	0.903	0.965	1.05E-137
PTMS	6.64E-142	-0.3258019	0.608	0.789	1.64E-137
BMP2K	1.66E-141	0.36024364	0.599	0.344	4.12E-137
SLC1A3	3.35E-141	0.37763351	0.713	0.46	8.29E-137
ACO1	2.30E-140	-0.2992282	0.234	0.474	5.70E-136
SLC2A3	3.03E-140	0.64607766	0.67	0.439	7.49E-136
TRIM22	3.51E-139	-0.2603875	0.326	0.579	8.69E-135
SMPDL3A	6.94E-139	0.27253493	0.297	0.075	1.72E-134
TMEM123	2.63E-137	0.34100832	0.708	0.47	6.50E-133
ANXA2	3.44E-137	0.29362832	0.997	0.999	8.52E-133
ZNF331	5.22E-137	0.57432503	0.693	0.465	1.29E-132
RBMS1	6.88E-137	0.34954833	0.752	0.553	1.70E-132
RAB11FIP1	1.43E-136	-0.2789223	0.592	0.817	3.53E-132
FCGR2B	1.94E-136	0.41568922	0.514	0.239	4.81E-132
RHOQ	2.22E-136	0.34481251	0.814	0.66	5.51E-132
FDFT1	4.41E-136	-0.265543	0.161	0.391	1.09E-131
GAA	2.43E-135	-0.2819113	0.689	0.835	6.01E-131
TIMP1	4.88E-135	1.21449777	0.799	0.707	1.21E-130
CDC42EP3	1.08E-134	-0.2804156	0.283	0.533	2.68E-130
MGST3	1.21E-134	-0.3055751	0.965	0.99	2.99E-130
CHCHD10	1.94E-134	-0.2782483	0.842	0.957	4.81E-130
MEF2C	3.23E-134	0.3080295	0.309	0.087	8.01E-130
FMN1	1.34E-133	0.29925435	0.445	0.189	3.33E-129
ARL4A	1.50E-133	-0.3220431	0.559	0.766	3.71E-129
OSBPL8	2.34E-133	0.54777669	0.755	0.579	5.78E-129
HSD17B11	5.19E-133	-0.282165	0.441	0.664	1.28E-128
NRP2	2.21E-132	0.31529328	0.654	0.385	5.48E-128

RMDN3	3.08E-132	-0.2960445	0.504	0.746	7.63E-128
TNS1	3.88E-132	0.2730431	0.424	0.173	9.61E-128
TPD52L2	9.31E-132	0.27220533	0.528	0.261	2.30E-127
KLF6	1.34E-131	0.44837452	0.94	0.836	3.32E-127
RHBDF2	1.41E-131	0.2503325	0.403	0.158	3.49E-127
ANXA4	1.77E-131	0.36609586	0.825	0.714	4.38E-127
PDCL	2.11E-131	-0.2998836	0.254	0.48	5.23E-127
ETHE1	3.99E-131	-0.3080332	0.411	0.618	9.87E-127
TMEM173	4.44E-131	-0.3124937	0.224	0.453	1.10E-126
EPS8	6.29E-131	0.25228345	0.28	0.069	1.56E-126
MAF	2.87E-130	0.45778792	0.526	0.289	7.12E-126
RPS3	3.92E-130	-0.2528344	1	1	9.70E-126
SRGAP1	5.38E-129	0.26961576	0.305	0.087	1.33E-124
YWHAZ	9.28E-129	0.34413699	0.942	0.895	2.30E-124
RHOBTB3	8.55E-128	0.25272735	0.267	0.062	2.12E-123
GLUL	1.05E-127	-0.2813027	0.969	0.998	2.60E-123
JARID2	1.25E-127	0.29544121	0.426	0.183	3.09E-123
AP1B1	3.62E-127	0.34312666	0.541	0.296	8.96E-123
GLIPR1	3.68E-127	0.35896154	0.769	0.57	9.10E-123
EML4	4.61E-127	-0.3136847	0.637	0.789	1.14E-122
PRCP	1.40E-126	0.28922298	0.546	0.283	3.45E-122
CD300A	1.77E-126	0.27991474	0.427	0.183	4.37E-122
AXL	2.44E-126	-0.2728952	0.178	0.419	6.05E-122
LAMP1	7.00E-126	0.30302548	0.973	0.986	1.73E-121
DNAJA1	7.83E-126	-0.2807069	0.86	0.933	1.94E-121
HIF1A	3.31E-125	0.33004327	0.674	0.395	8.20E-121
SPI1	3.61E-125	-0.2600877	0.914	0.956	8.93E-121
STXBP2	4.05E-125	-0.3228736	0.634	0.802	1.00E-120
FPR2	7.96E-125	-0.304729	0.138	0.356	1.97E-120
GCA	9.43E-125	-0.3668352	0.532	0.705	2.34E-120
SLC35E3	1.82E-124	-0.297648	0.357	0.581	4.52E-120
CAPZB	2.26E-124	0.29755154	0.925	0.838	5.59E-120
NUCB1	7.47E-124	-0.2598167	0.706	0.861	1.85E-119
RPS2	1.28E-122	-0.297439	1	1	3.16E-118
TREM2	2.77E-122	0.47265872	0.809	0.68	6.87E-118
HLA-DQA2	6.68E-122	-0.6431955	0.256	0.483	1.65E-117
WIPF1	1.81E-121	0.31576621	0.716	0.498	4.49E-117
ATP6AP2	4.11E-121	0.32690895	0.938	0.856	1.02E-116
PDIA3	5.70E-121	0.36002035	0.881	0.773	1.41E-116
EIF1	6.74E-121	-0.4663522	1	1	1.67E-116
CXXC5	8.16E-121	0.30410954	0.506	0.263	2.02E-116
MIS18BP1	1.34E-120	-0.2577302	0.475	0.706	3.33E-116
DOK2	3.01E-120	-0.2968156	0.608	0.759	7.46E-116
IFIT2	5.10E-120	-0.2883099	0.148	0.368	1.26E-115
SCCPDH	8.00E-120	-0.2643514	0.562	0.762	1.98E-115

TSPAN4	1.03E-119	0.41184436	0.626	0.424	2.55E-115
MACF1	1.66E-119	0.31522903	0.5	0.254	4.12E-115
MTPN	3.16E-119	-0.264723	0.863	0.914	7.82E-115
MMP14	1.04E-118	0.26533907	0.379	0.152	2.56E-114
DNPH1	1.07E-118	0.29249919	0.538	0.293	2.66E-114
TLN1	1.82E-118	0.31463601	0.831	0.669	4.51E-114
REL	2.87E-118	0.45141617	0.771	0.616	7.11E-114
SLC20A1	3.01E-118	0.3165511	0.516	0.266	7.45E-114
MYO1E	1.54E-117	0.25137327	0.397	0.168	3.82E-113
BSG	8.04E-117	-0.3271433	0.823	0.893	1.99E-112
CAMK1	1.45E-116	0.30014521	0.352	0.131	3.58E-112
FAM49B	3.64E-116	0.30954946	0.841	0.704	9.01E-112
EPB41L4A-A'	3.80E-116	-0.3605221	0.185	0.389	9.41E-112
MRC1	6.97E-116	-0.3625906	0.887	0.953	1.73E-111
SMCO4	7.30E-116	-0.2630698	0.548	0.719	1.81E-111
ZNF385A	8.91E-116	0.28260671	0.508	0.267	2.21E-111
C1orf54	1.47E-115	0.26068079	0.317	0.107	3.64E-111
MFSD12	7.07E-115	0.49368983	0.772	0.622	1.75E-110
POLR2L	8.86E-115	0.31701485	0.892	0.761	2.19E-110
RALA	1.07E-114	0.26742374	0.759	0.539	2.65E-110
SWAP70	4.36E-114	0.2729023	0.533	0.286	1.08E-109
PALLD	1.30E-113	0.27695217	0.295	0.095	3.22E-109
ITGB2	1.78E-113	0.3954612	0.955	0.924	4.41E-109
DBI	2.07E-113	0.31573748	0.983	0.983	5.12E-109
OPN3	2.73E-113	-0.2618671	0.467	0.674	6.76E-109
ST14	6.30E-113	0.28212435	0.551	0.313	1.56E-108
ABL2	7.55E-113	0.44505739	0.633	0.421	1.87E-108
NR1H3	1.67E-112	0.4645325	0.515	0.3	4.14E-108
CMTM6	5.60E-112	0.32279321	0.862	0.703	1.39E-107
SLC27A3	1.29E-111	-0.2697129	0.342	0.552	3.20E-107
DEFB1	1.43E-111	-0.3418071	0.108	0.301	3.54E-107
GLMP	6.23E-110	0.28839663	0.583	0.351	1.54E-105
MS4A6A	8.20E-110	0.78925809	0.604	0.438	2.03E-105
CD14	2.18E-108	0.68253056	0.821	0.747	5.39E-104
GM2A	1.32E-107	0.63119824	0.793	0.733	3.26E-103
HERPUD1	1.58E-107	0.56595298	0.77	0.604	3.91E-103
ALAS1	2.09E-107	-0.2779308	0.312	0.515	5.18E-103
CTSL	3.81E-107	0.5928278	0.973	0.981	9.43E-103
GNB4	1.47E-106	0.32245957	0.743	0.573	3.64E-102
SDS	2.81E-106	0.44888977	0.318	0.114	6.97E-102
EIF4G2	6.66E-106	0.30290362	0.941	0.885	1.65E-101
CFLAR	2.31E-105	0.35002471	0.696	0.495	5.71E-101
KIF1B	3.76E-105	0.26694759	0.53	0.298	9.31E-101
PPT1	5.00E-105	0.27357784	0.924	0.863	1.24E-100
ZEB2	5.67E-105	0.36704086	0.931	0.862	1.40E-100

CD109	7.61E-105	0.29809532	0.459	0.24	1.88E-100
CXCL3	1.05E-104	-0.3524556	0.363	0.604	2.59E-100
VEGFA	3.19E-104	0.41109532	0.305	0.111	7.89E-100
TM4SF19	5.54E-104	0.51283241	0.383	0.174	1.37E-99
IFIT3	3.17E-103	-0.2746669	0.288	0.509	7.85E-99
JUNB	4.27E-103	0.41810882	0.949	0.891	1.06E-98
ADAP2	6.22E-103	0.33042059	0.609	0.399	1.54E-98
CCL23	8.86E-103	-0.3312636	0.181	0.381	2.19E-98
TUBA1A	7.51E-102	0.35992032	0.633	0.407	1.86E-97
MGAT1	9.92E-102	0.25347156	0.945	0.887	2.45E-97
STOM	1.72E-101	-0.3372071	0.525	0.679	4.26E-97
RAB1A	2.18E-101	0.28744108	0.849	0.74	5.40E-97
SCGB1A1	3.32E-101	0.32319009	0.575	0.354	8.22E-97
FXYS5	5.11E-101	0.26152251	0.899	0.8	1.26E-96
IER3	6.73E-101	0.48711178	0.467	0.237	1.66E-96
CREM	2.29E-100	0.37162141	0.52	0.302	5.66E-96
ZFP36L2	5.15E-100	0.40512863	0.887	0.809	1.28E-95
TCN2	6.62E-100	0.33993956	0.466	0.253	1.64E-95
METRNL	4.99E-99	0.31325451	0.773	0.586	1.24E-94
CXCL5	6.48E-99	-0.6207681	0.095	0.273	1.60E-94
BCAP31	1.07E-98	0.30711347	0.949	0.934	2.66E-94
CD83	1.13E-98	0.38589261	0.805	0.667	2.79E-94
SLC29A3	1.57E-98	0.30613117	0.502	0.286	3.88E-94
FTL	2.36E-98	-0.2768128	1	1	5.85E-94
SPARC	3.51E-96	0.50897305	0.363	0.174	8.69E-92
NAIP	3.77E-96	0.25926813	0.364	0.164	9.34E-92
HMGA1	4.96E-96	0.40561868	0.634	0.433	1.23E-91
PAPSS2	7.51E-96	0.2782779	0.482	0.259	1.86E-91
NINJ1	2.34E-95	0.25997367	0.472	0.24	5.80E-91
ITGB1BP1	8.98E-95	0.39140384	0.628	0.457	2.22E-90
CALR	7.13E-94	0.3643496	0.955	0.932	1.77E-89
TRPS1	8.92E-94	0.25277691	0.395	0.188	2.21E-89
ADM	9.53E-93	0.37166766	0.319	0.134	2.36E-88
MRAS	3.46E-92	0.31944648	0.547	0.338	8.56E-88
TGFBR1	4.16E-92	0.27000572	0.551	0.339	1.03E-87
ZMIZ1	4.49E-92	0.25478407	0.567	0.35	1.11E-87
GBA	9.16E-92	0.25159651	0.572	0.357	2.27E-87
TPI1	1.35E-91	0.25372281	0.961	0.937	3.35E-87
HLA-DRB5	3.28E-91	-0.4979708	0.312	0.53	8.13E-87
FERMT3	9.97E-91	0.29784004	0.852	0.754	2.47E-86
RAB20	1.13E-90	0.26941888	0.712	0.517	2.80E-86
RBM47	1.40E-90	0.31912962	0.798	0.651	3.46E-86
PARVB	5.33E-90	0.2557972	0.647	0.448	1.32E-85
ASAP1	5.78E-90	0.29705779	0.691	0.521	1.43E-85
HNRNPU	7.37E-90	0.36245491	0.926	0.862	1.83E-85

SPRED1	5.00E-89	0.34081762	0.507	0.306	1.24E-84
HSD3B7	1.19E-88	0.3168003	0.615	0.437	2.94E-84
CD82	3.37E-88	0.28146502	0.474	0.268	8.34E-84
LST1	3.45E-88	-0.328844	0.737	0.824	8.53E-84
VMO1	7.54E-88	-0.2765073	0.201	0.392	1.87E-83
SCGB3A1	2.43E-87	0.34133785	0.682	0.482	6.02E-83
PECAM1	2.85E-87	-0.2959786	0.573	0.702	7.05E-83
PLD3	3.69E-87	0.47718954	0.818	0.765	9.13E-83
AKR1B1	5.44E-87	-0.2707452	0.524	0.707	1.35E-82
SLC25A6	1.23E-86	-0.2874449	0.944	0.962	3.03E-82
RND3	3.93E-86	-0.4604683	0.115	0.28	9.72E-82
SPAG9	8.35E-86	0.32725586	0.591	0.393	2.07E-81
RAB31	1.18E-85	0.28538809	0.869	0.745	2.91E-81
NABP1	1.96E-85	0.34653883	0.711	0.537	4.84E-81
PGAM1	4.80E-85	0.27012461	0.845	0.759	1.19E-80
HCST	4.84E-85	0.37267693	0.853	0.751	1.20E-80
EZR	2.80E-84	0.31742068	0.633	0.434	6.93E-80
EIF1B	3.29E-82	-0.3004439	0.605	0.736	8.15E-78
SLC44A1	5.84E-82	0.25402527	0.389	0.194	1.45E-77
DAZAP2	1.14E-81	0.30124927	0.713	0.565	2.83E-77
TXNIP	1.17E-81	-0.3657351	0.916	0.909	2.89E-77
TGM2	2.03E-81	-0.354185	0.385	0.565	5.02E-77
TCIRG1	3.36E-81	0.28495168	0.87	0.801	8.32E-77
NRP1	1.32E-80	0.33010627	0.587	0.409	3.27E-76
ZFP36	6.32E-80	0.47734758	0.617	0.472	1.56E-75
XIST	1.16E-78	0.34632577	0.633	0.407	2.88E-74
GAPDH	2.66E-78	0.27061521	0.999	0.999	6.59E-74
COLEC12	6.84E-78	-0.268934	0.37	0.559	1.69E-73
INSIG1	1.68E-77	0.34047028	0.322	0.148	4.15E-73
SNHG7	1.90E-77	-0.3356653	0.292	0.455	4.70E-73
MPEG1	5.12E-77	0.29914793	0.334	0.164	1.27E-72
JAK1	2.21E-76	0.27703515	0.699	0.537	5.48E-72
ABHD12	4.37E-76	0.25528356	0.687	0.526	1.08E-71
AP2A2	4.69E-76	0.27433364	0.439	0.259	1.16E-71
IL17RA	6.06E-76	0.25741192	0.565	0.378	1.50E-71
ATP6V1A	1.75E-75	0.3152098	0.751	0.619	4.33E-71
TIMM8B	2.83E-75	0.26429301	0.805	0.694	7.02E-71
SEC61G	5.25E-75	0.29803696	0.861	0.802	1.30E-70
ZFAS1	6.42E-75	-0.4872888	0.897	0.906	1.59E-70
ATOX1	7.88E-75	0.28758701	0.903	0.874	1.95E-70
TPM4	1.16E-74	0.25991918	0.892	0.799	2.87E-70
SFTPC	2.46E-74	0.30669875	0.556	0.36	6.10E-70
ARPC4	3.92E-74	0.27677339	0.838	0.735	9.71E-70
FAIM	1.62E-71	0.2836928	0.404	0.226	4.00E-67
TUBA1C	7.30E-71	0.28967952	0.806	0.712	1.81E-66

TAF1D	7.59E-71	-0.3514839	0.514	0.646	1.88E-66
IFITM3	4.48E-70	0.35805441	0.431	0.252	1.11E-65
SLC3A2	1.19E-69	-0.2944478	0.841	0.919	2.94E-65
ARHGDI1A	3.39E-69	0.26603728	0.832	0.742	8.40E-65
CLTC	5.00E-69	0.27200755	0.802	0.687	1.24E-64
ARL4C	1.07E-68	0.33547794	0.342	0.172	2.65E-64
SNX9	1.38E-68	0.26485213	0.54	0.357	3.41E-64
NUPR1	3.98E-68	-0.2597537	0.518	0.726	9.85E-64
GPR34	5.38E-68	0.38942722	0.393	0.231	1.33E-63
SYNCRIP	1.26E-67	0.25037618	0.72	0.573	3.11E-63
PLAU	1.73E-67	0.27982916	0.403	0.232	4.29E-63
RAB32	2.22E-67	0.25439191	0.78	0.657	5.49E-63
MIR3945HG	3.59E-67	-0.2684138	0.269	0.436	8.90E-63
CSTB	1.32E-66	0.29524887	0.996	1	3.27E-62
PDXK	1.53E-66	0.2535767	0.931	0.905	3.80E-62
FOS	1.91E-66	0.42536018	0.945	0.908	4.73E-62
CHMP1B	2.51E-66	0.33402911	0.561	0.39	6.21E-62
DUSP1	5.93E-66	0.34660755	0.971	0.979	1.47E-61
KLF10	1.67E-65	0.26466056	0.331	0.165	4.13E-61
ATP1B3	2.04E-65	0.25579829	0.961	0.932	5.06E-61
HS3ST2	7.77E-65	0.34831697	0.284	0.128	1.92E-60
LYZ	6.28E-64	-0.2893285	0.987	0.997	1.55E-59
ASPH	1.66E-63	0.25501714	0.573	0.402	4.12E-59
DDX3X	3.20E-63	0.27004502	0.829	0.716	7.92E-59
IFNGR2	1.86E-61	0.26833059	0.704	0.568	4.61E-57
MAT2A	5.81E-61	0.28227991	0.599	0.443	1.44E-56
C5AR1	1.69E-60	0.28642518	0.885	0.813	4.19E-56
FCGR3A	1.73E-60	-0.2523943	0.659	0.805	4.28E-56
NR4A3	7.37E-60	0.31705027	0.485	0.318	1.83E-55
DPYSL2	2.07E-59	0.25573135	0.689	0.533	5.12E-55
RGS10	4.26E-59	0.25072353	0.831	0.718	1.06E-54
HAMP	3.66E-58	0.44709295	0.26	0.117	9.07E-54
LIPA	1.39E-57	0.39898797	0.909	0.898	3.45E-53
CAPG	1.25E-56	0.32196437	0.975	0.992	3.09E-52
GNAQ	2.60E-56	0.26159525	0.684	0.561	6.43E-52
SNHG12	1.53E-55	-0.4457479	0.32	0.444	3.79E-51
TGFBI	1.83E-55	0.52629263	0.742	0.73	4.52E-51
FOSL2	6.72E-54	0.26315187	0.498	0.345	1.66E-49
NTAN1	1.12E-52	0.29180784	0.695	0.581	2.78E-48
SCD	2.20E-52	-0.4079455	0.525	0.654	5.44E-48
CD44	2.51E-52	0.30691867	0.98	0.989	6.21E-48
SDSL	1.05E-51	0.26370224	0.612	0.46	2.60E-47
FN1	1.52E-50	-0.7483984	0.612	0.647	3.76E-46
TNFAIP3	2.33E-48	0.38914101	0.356	0.217	5.77E-44
IQGAP2	7.28E-48	0.26431207	0.769	0.712	1.80E-43

ATF3	3.07E-47	0.29236814	0.698	0.546	7.60E-43
CXCL8	1.05E-45	0.34511256	0.32	0.176	2.60E-41
ANPEP	1.42E-44	0.28964882	0.605	0.456	3.52E-40
TNFSF13B	2.02E-44	0.26551	0.607	0.497	4.99E-40
IL1RN	9.15E-42	0.8762575	0.417	0.298	2.26E-37
NPM1	7.46E-41	-0.2586651	0.989	0.992	1.85E-36
LSP1	1.11E-40	0.3002473	0.576	0.468	2.76E-36
SLC25A37	1.43E-40	0.26844905	0.29	0.169	3.55E-36
NFKBIA	2.30E-40	0.30627855	0.874	0.787	5.69E-36
PLAUR	5.51E-39	0.25682569	0.917	0.932	1.36E-34
ETS2	1.16E-38	0.45167616	0.575	0.496	2.86E-34
DSE	2.62E-38	0.25199387	0.584	0.472	6.48E-34
MTRNR2L8	3.93E-38	0.37517982	0.57	0.453	9.72E-34
CSF1	1.11E-37	0.32772943	0.335	0.211	2.76E-33
CXCR4	3.31E-34	0.32059887	0.628	0.506	8.18E-30
SDF2L1	4.78E-33	0.26042785	0.604	0.523	1.18E-28
AQP9	7.37E-33	0.25017077	0.628	0.536	1.82E-28
RBPJ	1.32E-31	0.26582548	0.883	0.856	3.26E-27
CRIP1	4.48E-31	-0.3064542	0.645	0.694	1.11E-26
AREG	3.26E-25	0.42793691	0.527	0.42	8.08E-21
PIIF	6.80E-25	0.25631041	0.407	0.306	1.68E-20
APOE	1.84E-24	0.63757437	0.895	0.964	4.57E-20
PHLDA1	2.25E-24	0.29151157	0.514	0.431	5.58E-20
LMNA	1.19E-21	0.26439861	0.904	0.885	2.95E-17
SLC16A10	1.48E-20	0.26070558	0.539	0.465	3.66E-16
MMP19	1.20E-17	0.28147982	0.609	0.548	2.97E-13
GDF15	3.88E-17	-0.5192402	0.282	0.344	9.59E-13
NAMPT	2.13E-16	0.35759665	0.805	0.813	5.27E-12
S100A9	9.32E-16	0.51463832	0.894	0.941	2.31E-11
THBD	7.11E-15	0.30894108	0.415	0.351	1.76E-10
S100A8	8.47E-13	0.54333062	0.562	0.518	2.10E-08
RGCC	3.30E-11	0.43416051	0.854	0.891	8.16E-07
CXCL2	1.11E-07	0.28442009	0.37	0.327	0.00274111
FABP5	0.00052074	0.26922846	0.966	0.99	1
FABP3	0.00061457	-0.4252922	0.381	0.371	1
FDX1	0.00203286	0.30567049	0.707	0.733	1
CIR1	0.05461524	0.38369684	0.521	0.59	1