

	p_val	avg_logFC	pct.1	pct.2	p_val_adj	seurat_clusters
TRBV12-4	0	0.29031336	0.033	0.96	0	0
TRAV21	1.96E-245	0.32706262	0.053	0.895	3.92E-242	0
AC103591.3	9.02E-219	-0.264103	0.025	0.185	1.80E-215	0
TRAV13-1	9.08E-176	0.25136592	0.084	0.882	1.82E-172	0
TRBV6-2	1.54E-175	0.27570529	0.053	0.832	3.08E-172	0
TRBV7-2	9.46E-160	0.4896287	0.106	0.895	1.89E-156	0
TRBV6-6	6.20E-157	0.2817328	0.018	0.632	1.24E-153	0
TRAV29DV5	1.41E-150	0.32643269	0.071	0.84	2.81E-147	0
RGS1	1.81E-137	-0.3147683	0.04	0.248	3.63E-134	0
TRBV7-9	4.18E-129	0.35667114	0.064	0.809	8.36E-126	0
TRBV6-5	1.98E-113	0.28055501	0.045	0.765	3.96E-110	0
GZMA	3.07E-110	0.34477315	0.214	0.981	6.15E-107	0
CCL5	2.37E-84	0.36794326	0.253	0.983	4.74E-81	0
TRAV38-2DV8	2.33E-81	0.28202612	0.039	0.721	4.65E-78	0
TMEM156	1.05E-72	-0.2698899	0.068	0.321	2.10E-69	0
TIPARP	1.97E-43	-0.27125	0.091	0.372	3.94E-40	0
STAT1	1.55E-26	0.28283383	0.381	0.998	3.10E-23	0
TOB1	1.69E-20	-0.2785694	0.198	0.441	3.39E-17	0
MT2A	6.06E-18	-0.5287484	0.327	0.817	1.21E-14	0
ZFP36	2.16E-10	-0.3708284	0.624	0.847	4.33E-07	0
TRBV9	0.00021125	0.26115631	0.032	0.523	0.42250121	0
ZFP36L2	0.00251393	-0.3097594	0.943	0.998	1	0
JUND	0.0397102	-0.2934537	1.155	0.536	1	0
TRBV12-3	0.08185158	0.29512204	0.036	0.534	1	0
KLRB1	0.47393198	0.25032655	0.432	0.784	1	0
TRBV3-1	0.84018185	0.41031391	0.045	0.5	1	0
IFI44L	0.99354446	-0.441425	0.048	0.456	1	0
PPBP	1.97E-157	-0.4909711	0.007	0.212	3.94E-154	1
NR4A1	1.38E-90	0.26000096	0.253	0.975	2.76E-87	1
CXCL2	3.93E-74	-0.2981918	0.012	0.306	7.85E-71	1
CCL3	1.54E-57	-0.3761072	0.055	0.335	3.07E-54	1
Z93241.1	1.95E-53	0.35881577	0.325	1	3.90E-50	1
ADM	1.46E-47	-0.2565575	0.064	0.356	2.93E-44	1
EREG	3.99E-43	-0.3661655	0.034	0.359	7.98E-40	1
TNFSF10	1.02E-37	0.29790442	0.372	0.996	2.04E-34	1
XIST	1.68E-30	0.31398914	0.362	1	3.36E-27	1
G0S2	1.40E-24	-0.3861251	0.138	0.422	2.80E-21	1
EGR1	3.14E-20	-0.5016878	0.033	0.408	6.28E-17	1
AL138963.3	1.97E-19	0.34137614	0.456	0.999	3.94E-16	1
AC015912.3	4.80E-14	-0.2770392	0.074	0.44	9.60E-11	1
RHOB	1.68E-09	0.27785027	0.469	1	3.35E-06	1
TAGLN2	2.13E-07	0.31661395	0.7	0.825	0.00042595	1
MNDA	5.99E-07	-0.2611344	0.855	1	0.00119744	1
CXCL8	5.81E-05	-0.4491947	0.034	0.469	0.11612555	1
ISG15	8.31E-05	0.26029183	0.232	0.693	0.1662012	1
NFKB1A	0.01050548	0.25979393	0.713	0.91	1	1
CLU	0.03449467	-0.3854841	0.003	0.524	1	1
TNFAIP3	0.05847586	-0.2902858	0.11	0.571	1	1
TRBV10-3	0	0.28728376	0.026	0.968	0	2
TRAV13-11	2.54E-241	0.26397025	0.084	0.968	5.08E-238	2
TRAV8-4	4.00E-196	0.27328605	0.045	0.869	8.00E-193	2
TRBV18	6.69E-190	0.33113473	0.05	0.871	1.34E-186	2
S100A8	1.81E-189	-0.3497669	0.019	0.183	3.62E-186	2
TUBB2A	8.97E-186	-0.3104999	0.014	0.187	1.79E-182	2
TRBV12-41	1.14E-183	0.31117113	0.034	0.847	2.28E-180	2
TRBV19	1.80E-167	0.26350918	0.061	0.865	3.59E-164	2
AC103591.31	1.82E-142	-0.5724626	0.029	0.219	3.65E-139	2
TRAV38-2DV81	4.99E-138	0.31357826	0.046	0.791	9.98E-135	2
SGK1	9.98E-111	-0.3003763	0.025	0.26	2.00E-107	2
PMAIP1	2.95E-103	-0.3713651	0.032	0.268	5.89E-100	2
AC245014.3	1.41E-86	-0.3889304	0.21	0.922	2.83E-83	2
TRBV7-21	3.61E-79	0.46147871	0.067	0.767	7.23E-76	2
TRBV6-21	8.54E-78	0.41610643	0.052	0.746	1.71E-74	2
TRBV28	3.42E-66	0.31999986	0.047	0.32	6.84E-63	2
STAT11	1.59E-54	0.25071481	0.309	1	3.17E-51	2
TMEM1561	3.03E-51	-0.3468735	0.039	0.342	6.07E-48	2
NFKB1A1	8.94E-46	-0.613368	0.287	0.829	1.79E-42	2
MT2A1	1.94E-32	-0.3219096	0.266	0.853	3.88E-29	2
TRBV6-51	6.25E-31	0.35127603	0.061	0.672	1.25E-27	2
HIFX	6.77E-27	-0.4309062	0.295	0.815	1.35E-23	2
AREG	3.55E-26	-0.3146727	0.055	0.396	7.10E-23	2
IFIT2	2.10E-23	-0.4191384	0.017	0.308	4.20E-20	2
TOB11	2.15E-20	-0.2989358	0.148	0.431	4.30E-17	2
TRBV12-31	5.32E-18	0.6534611	0.037	0.416	1.06E-14	2
TRBV3-11	7.01E-17	0.29861357	0.037	0.41	1.40E-13	2
TRBV4-1	5.27E-15	0.38510898	0.025	0.26	1.05E-11	2
HIST1H1C	3.55E-14	-0.3063083	0.28	0.759	7.11E-11	2
TRBV5-4	3.64E-14	0.3599121	0.039	0.606	7.29E-11	2
TRBV7-91	6.86E-08	0.44142686	0.059	0.596	0.00013729	2
FOS	1.05E-07	-0.4163767	0.643	0.835	0.00021073	2
JUND1	1.25E-07	-0.383823	0.093	0.469	0.00024948	2
AL138963.31	5.73E-06	0.27590653	0.537	0.994	0.01146664	2
SUB1	1.30E-05	-0.2576887	0.62	0.845	0.0260843	2
IFIT3	2.02E-05	-0.3401857	0.008	0.314	0.04048188	2
ZFP36L21	0.00032043	-0.3513931	0.937	0.996	0.64085632	2
TRBV20-1	0.05741925	0.67020901	0.104	0.531	1	2
NFKB1Z	0.06341139	-0.3522192	0.232	0.622	1	2
IFI44L1	0.10069594	-0.572019	0.022	0.419	1	2
HSPA5	0.14573272	-0.3249264	0.336	0.674	1	2
DUSP2	0.45267549	-0.3380753	0.139	0.547	1	2
DDIT4	0.74915786	-0.4275986	0.188	0.567	1	2
TNFAIP31	0.80436	-0.6045136	0.22	0.577	1	2
TRBV5-1	0.81953052	0.284054	0.066	0.531	1	2
HIST1H1D	0.89733393	-0.2577563	0.463	0.688	1	2
MYOM2	5.92E-241	-0.3025535	0.03	0.941	1.18E-237	3
FCER1G	4.49E-218	-0.3267686	0.032	0.954	8.99E-215	3
CX3CR1	1.90E-193	-0.280513	0.035	0.839	3.80E-190	3

FCGR3A	5.65E-191	-0.4317271	0.046	0.934	1.13E-187	3
TRAV38-2DV82	3.60E-156	0.32054392	0.08	0.961	7.20E-153	3
TRBV4-11	2.68E-150	-0.3580819	0.03	0.868	5.36E-147	3
FGR	2.36E-147	-0.3014165	0.074	0.931	4.73E-144	3
TRDV2	1.64E-137	0.39282693	0.122	0.99	3.28E-134	3
TRAV14DV4	1.80E-130	0.27942329	0.052	0.826	3.59E-127	3
XCL1	9.09E-124	-0.4480226	0.113	0.947	1.82E-120	3
XCL2	2.19E-123	-0.3911953	0.144	0.993	4.37E-120	3
TRBV6-4	9.56E-99	0.31404761	0.057	0.664	1.91E-95	3
TRBV4-2	1.25E-82	0.75499541	0.085	0.822	2.50E-79	3
HLA-DRB5	2.08E-79	-0.3000115	0.16	0.921	4.15E-76	3
TRBV12-42	6.10E-75	0.2949894	0.029	0.737	1.22E-71	3
TRGV4	4.70E-74	0.26748285	0.151	0.911	9.41E-71	3
S100B	1.41E-72	-0.401355	0.003	0.115	2.82E-69	3
CLIC3	3.57E-70	-0.5235181	0.147	0.888	7.13E-67	3
IFI27	3.17E-69	-0.2775996	0.007	0.112	6.34E-66	3
TRBV191	3.98E-69	0.36061314	0.052	0.783	7.96E-66	3
SLC4A10	1.02E-65	0.34293949	0.181	0.868	2.03E-62	3
AC103591.32	6.72E-60	-0.3227405	0.033	0.283	1.34E-56	3
JAML	9.04E-55	0.29447958	0.228	0.974	1.81E-51	3
ATF3	3.33E-50	-0.3016888	0.014	0.286	6.66E-47	3
HLA-DRA	8.00E-48	-0.5557641	0.083	0.763	1.60E-44	3
TRBV6-22	8.55E-45	0.42995146	0.063	0.717	1.71E-41	3
GNLY	7.42E-43	-0.9674425	0.141	0.799	1.48E-39	3
LTB	1.59E-41	0.85527265	0.884	1	3.18E-38	3
RGS11	1.76E-38	-0.3142654	0.05	0.329	3.53E-35	3
MYC	3.41E-35	0.41244414	0.252	0.934	6.82E-32	3
IFIT21	4.00E-33	-0.6532605	0.022	0.339	8.00E-30	3
NKG7	1.26E-32	-0.7454595	0.819	0.99	2.53E-29	3
PLEK	3.16E-32	-0.2747856	0.344	0.99	6.32E-29	3
OASL	1.25E-30	-0.3218585	0.046	0.349	2.50E-27	3
PDE4D	2.18E-30	-0.3038434	0.124	0.355	4.37E-27	3
ADGRG1	9.23E-27	-0.3836546	0.044	0.664	1.85E-23	3
IL7R	1.65E-26	0.40002025	0.931	1	3.30E-23	3
SAMD3	4.22E-25	-0.3477493	0.41	0.98	8.44E-22	3
KLRD1	8.58E-25	-0.535138	0.242	0.809	1.72E-21	3
LEF1	2.10E-24	0.28370027	0.217	0.839	4.19E-21	3
PRF1	2.28E-23	-0.3876895	0.411	1	4.57E-20	3
APOBEC3G	8.00E-23	-0.3595406	0.396	0.984	1.60E-19	3
FCRL6	2.69E-22	-0.3837721	0.109	0.707	5.38E-19	3
IFI44L2	3.20E-22	-0.2720636	0.039	0.352	6.39E-19	3
CCL4L2	2.99E-21	-0.2991003	0.04	0.638	5.97E-18	3
HOPX	1.66E-20	-0.3793567	0.414	0.984	3.31E-17	3
TGFBR3	1.75E-20	-0.261387	0.159	0.747	3.51E-17	3
GZMH	4.14E-20	-0.7471736	0.079	0.632	8.28E-17	3
IDH2	9.67E-20	-0.3561853	0.331	0.875	1.93E-16	3
NELL2	4.68E-18	0.29185093	0.362	0.98	9.35E-15	3
RPLP0	1.36E-17	0.25335308	0.998	1	2.72E-14	3
FGFBP2	1.23E-16	-0.9238772	0.047	0.618	2.46E-13	3
TRAV1-2	1.29E-16	0.64973173	0.238	0.829	2.58E-13	3
CD63	1.52E-16	-0.2735375	0.311	0.849	3.03E-13	3
MIR4435-2HG	4.08E-16	-0.3295777	0.056	0.401	8.15E-13	3
RHOB1	6.18E-16	-0.296211	0.063	0.401	1.24E-12	3
CST7	1.89E-15	-0.3973235	0.747	0.984	3.78E-12	3
HIFX1	2.89E-15	-0.3149223	0.285	0.438	5.77E-12	3
ZBP1	4.02E-15	-0.3380175	0.107	0.411	8.04E-12	3
ACTB	4.02E-14	-0.2810988	1	1	8.04E-11	3
CTSC	4.33E-14	-0.2610317	0.469	0.974	8.67E-11	3
TRAV211	6.85E-14	0.26486989	0.041	0.546	1.37E-10	3
EFHD2	1.56E-13	-0.4818134	0.136	0.684	3.11E-10	3
LGALS1	1.57E-13	-0.5926699	0.236	0.743	3.14E-10	3
TNF	4.71E-13	-0.3494393	0.128	0.688	9.42E-10	3
MATK	6.34E-12	-0.2903194	0.41	0.918	1.27E-08	3
AQP3	1.91E-11	0.48013982	0.396	1	3.81E-08	3
GPI	3.10E-11	-0.2637345	0.453	0.947	6.21E-08	3
TLN1	4.60E-11	-0.2706894	0.29	0.789	9.20E-08	3
SH3BGRL3	1.47E-10	-0.2649664	0.986	1	2.94E-07	3
TRBV20-11	1.47E-09	0.36371776	0.088	0.641	2.95E-06	3
GZMM	3.30E-09	-0.3810164	0.724	0.984	6.60E-06	3
STAT12	1.02E-08	0.35897279	0.355	0.885	2.04E-05	3
CD8A	1.38E-08	-0.4318706	0.613	0.961	2.77E-05	3
CD74	1.79E-08	-0.4529615	0.923	0.997	3.58E-05	3
ZEB2	2.92E-08	-0.4216912	0.085	0.438	5.84E-05	3
CCL31	4.13E-08	-0.2952653	0.015	0.401	8.26E-05	3
CCL4	4.59E-08	-1.0707613	0.153	0.635	9.18E-05	3
GZMA1	1.35E-07	-0.3788524	0.737	0.997	0.00026989	3
PIPA	1.70E-07	-0.3244201	0.947	0.997	0.00034001	3
HLA-DPA1	3.78E-07	-0.3668908	0.358	0.74	0.00075563	3
GSTP1	3.87E-07	-0.3614882	0.554	0.901	0.00077347	3
LGALS9	5.64E-07	-0.3175501	0.023	0.441	0.0011276	3
IFITM2	1.40E-06	-0.3780796	0.856	0.977	0.00280912	3
HLA-DPB1	2.16E-06	-0.3386509	0.387	0.75	0.00432501	3
C12orf75	2.51E-06	-0.2596681	0.429	0.842	0.00502099	3
CD69	4.77E-06	0.25166423	0.716	0.799	0.00953232	3
S100A4	5.15E-06	-0.3394867	0.96	0.993	0.01029842	3
IFNG	9.49E-06	-0.4245244	0.042	0.438	0.01898627	3
TRAV29DV51	5.11E-05	0.30785626	0.043	0.562	0.10217336	3
MT2A2	0.00012557	-0.2738907	0.462	0.806	0.25113561	3
AHNAK	0.00012871	-0.3446396	0.693	0.993	0.25741159	3
NOSIP	0.00022197	0.46991842	0.658	0.993	0.44393236	3
HSP90B1	0.00033677	-0.4294699	0.765	1	0.67354808	3
ISG15	0.00036059	-0.3439619	0.308	0.704	0.72118496	3
ACTG1	0.00036595	-0.4194207	0.969	1	0.73189297	3
SELL	0.00037139	0.27864045	0.489	1	0.74277089	3
CALR	0.00039052	-0.3545083	0.637	0.974	0.78104055	3
CTSW	0.00058018	-0.4953044	0.803	0.951	1	3
IFIT31	0.00087444	-0.4726698	0.007	0.408	1	3
CORO1A	0.00090292	-0.2721083	0.957	0.997	1	3

ATP5F1B	0.00091585	-0.3231379	0.633	0.964	1	3
HSPA51	0.001163	-0.2802588	0.615	0.862	1	3
Clorf21	0.00379198	-0.2593858	0.054	0.464	1	3
HNRNPA2B1	0.00520904	-0.2610659	0.903	0.993	1	3
ENC1	0.00559787	-0.262174	0.017	0.444	1	3
PIIB	0.00599809	-0.2795234	0.872	0.997	1	3
OAZ1	0.01006122	-0.3319462	0.916	1	1	3
IFTM3	0.01211228	-0.2577909	0.571	1	1	3
KLRB11	0.0131507	0.70437775	0.498	0.993	1	3
SPON2	0.01355312	-0.4795956	0.074	0.569	1	3
GZMB	0.03338446	-0.7561576	0.025	0.47	1	3
NCL	0.05405629	-0.3085469	0.773	0.997	1	3
SLC9A3R1	0.07963549	-0.3392807	0.702	1	1	3
PSMB9	0.08382618	-0.3274356	0.817	1	1	3
ANXA6	0.09386463	-0.2936544	0.692	1	1	3
TUBA4A	0.16973289	-0.3200913	0.361	0.671	1	3
ANXA1	0.19244363	-0.2649686	0.76	0.997	1	3
CD7	0.21123784	-0.2971149	0.747	0.98	1	3
NCR3	0.22072282	0.26909971	0.375	0.786	1	3
NFKB1Z1	0.28108961	-0.2887392	0.231	0.622	1	3
MAP3K8	0.30127783	-0.3632068	0.161	0.546	1	3
NEAT1	0.31009991	-0.2971478	0.437	0.641	1	3
LCK	0.39472468	-0.284784	0.839	1	1	3
HLA-DRB1	0.46547982	-0.5881483	0.194	0.576	1	3
HERPUD1	0.49486695	-0.3165683	0.287	0.592	1	3
TCF7	0.77788546	0.37350117	0.542	0.951	1	3
ATF31	3.07E-181	-0.3153619	0.014	0.11	6.13E-178	4
TRDV21	1.25E-176	-0.3540664	0.009	0.751	2.50E-173	4
LILRB1	7.25E-157	-0.3052423	0.024	0.137	1.45E-153	4
MTIE	1.14E-150	-0.2775422	0.003	0.127	2.28E-147	4
LMNA	2.29E-149	-0.4226045	0.009	0.134	4.57E-146	4
AC103591.33	4.68E-130	-0.4045806	0.021	0.173	9.36E-127	4
CD8B	2.29E-129	-0.2536722	0.023	0.801	4.59E-126	4
LINC02446	5.84E-116	-0.4386802	0.002	0.141	1.17E-112	4
GRASP	4.63E-115	-0.4121023	0.011	0.173	9.26E-112	4
TRGV9	4.84E-112	-0.3418929	0.16	0.976	9.69E-109	4
ENC11	3.51E-109	-0.4650656	0.024	0.199	7.01E-106	4
IFI44L3	1.65E-103	-0.4254261	0.006	0.211	3.30E-100	4
S100B1	3.83E-102	-0.3980102	0.002	0.213	7.66E-99	4
RPS4Y1	1.35E-101	-0.3334195	0	0.127	2.70E-98	4
GZMK	5.49E-99	0.37541354	0.109	0.894	1.10E-95	4
PTMS	7.35E-89	-0.4717448	0.01	0.225	1.47E-85	4
RGCC	6.14E-87	-0.39628	0.031	0.791	1.23E-83	4
MIDN	3.66E-82	-0.2676439	0.17	0.923	7.31E-79	4
ERLEC1	6.24E-82	-0.250758	0.143	0.897	1.25E-78	4
OASL1	1.62E-79	-0.5580378	0.032	0.237	3.25E-76	4
EPST11	4.77E-75	-0.3318136	0.073	0.252	9.54E-72	4
LAG3	2.55E-73	-0.3878807	0.004	0.254	5.11E-70	4
S100A81	3.56E-70	-0.2604001	0.014	0.235	7.11E-67	4
TRDV1	1.05E-66	-0.3228939	0.004	0.182	2.11E-63	4
CCL3L1	5.83E-61	-0.4401882	0.011	0.23	1.17E-57	4
AREG1	8.30E-61	-0.4088987	0.04	0.281	1.66E-57	4
PDE4D1	1.76E-53	-0.3610049	0.102	0.295	3.51E-50	4
IFT22	8.48E-51	-0.9602263	0.043	0.297	1.70E-47	4
TRGV5	1.80E-50	-0.2912334	0.001	0.209	3.60E-47	4
NFKB1Z2	1.08E-46	-0.571436	0.081	0.309	2.16E-43	4
IFT32	3.13E-46	-1.0627938	0.028	0.305	6.25E-43	4
TIPARP1	1.90E-45	-0.3856152	0.082	0.314	3.80E-42	4
PTGDS	4.56E-45	-0.5580634	0.055	0.317	9.11E-42	4
CFAP20	4.68E-44	-0.3329213	0.082	0.319	9.36E-41	4
KIR2DL1	1.80E-43	0.36521565	0.219	0.902	3.60E-40	4
MYADM	2.08E-43	-0.3926246	0.094	0.321	4.16E-40	4
KLRC1	5.18E-42	0.35266404	0.299	1	1.04E-38	4
HLA-DRB11	4.00E-39	-0.566069	0.08	0.329	8.00E-36	4
KLRC3	1.38E-38	-0.3164374	0.062	0.333	2.76E-35	4
LGALS91	2.20E-38	-0.3053933	0.052	0.333	4.39E-35	4
PTPRE	3.87E-32	-0.2521644	0.225	0.837	7.75E-29	4
EOMES	4.33E-32	0.3056915	0.24	0.887	8.66E-29	4
SIGLEC7	3.84E-31	0.30881583	0.321	1	7.68E-28	4
LYST	7.91E-31	-0.2819113	0.159	0.367	1.58E-27	4
SDHC	2.78E-28	0.30002308	0.313	0.966	5.56E-25	4
TIMP1	2.75E-27	0.31011504	0.341	0.988	5.51E-24	4
PRDM1	3.07E-27	-0.3713312	0.122	0.369	6.14E-24	4
HERC5	5.33E-26	-0.572153	0.06	0.367	1.07E-22	4
PSMB2	3.04E-25	0.26162745	0.296	0.916	6.09E-22	4
HBB	1.36E-24	-0.8620771	0.003	0.221	2.73E-21	4
CD3G	3.10E-24	-0.5041889	0.032	0.367	6.20E-21	4
FOSB	1.12E-23	-0.3331591	0.171	0.763	2.24E-20	4
XIST1	1.53E-23	-0.4185636	0.151	0.386	3.06E-20	4
ZBP11	2.17E-23	-0.4400969	0.202	0.388	4.34E-20	4
CXXC5	2.60E-20	0.32614342	0.363	1	5.20E-17	4
PMAIP11	7.95E-20	-0.4962057	0.166	0.398	1.59E-16	4
GSN	8.50E-20	0.29926034	0.369	1	1.70E-16	4
GNLY1	2.03E-19	0.3020329	0.984	0.988	4.06E-16	4
TNF1	2.69E-19	-0.4170874	0.027	0.379	5.39E-16	4
RGS12	1.30E-18	-0.2765149	0.013	0.367	2.60E-15	4
IL32	1.94E-17	0.58223148	0.737	0.866	3.87E-14	4
NR4A2	1.48E-14	-0.3372947	0.157	0.429	2.97E-11	4
HLA-DPA11	1.09E-13	-0.2521493	0.25	0.451	2.19E-10	4
ITGAX	1.13E-13	-0.3661675	0.103	0.664	2.27E-10	4
JUND2	3.33E-13	-0.2559417	0.107	0.429	6.66E-10	4
GBP5	1.33E-12	-0.4021845	0.495	0.986	2.65E-09	4
XCL11	1.44E-11	0.55638864	0.4	1	2.87E-08	4
ISG152	1.42E-08	-0.3461018	0.292	0.484	2.83E-05	4
ABRACL	5.17E-08	0.28554691	0.428	1	0.00010339	4
LAT2	8.62E-07	0.30406862	0.437	1	0.00172439	4
ELL2	9.83E-07	-0.3302378	0.027	0.436	0.0019656	4
HSP90B11	1.32E-06	-0.3910004	0.669	0.99	0.00263541	4

TYMP	3.39E-06	-0.3565146	0.069	0.46	0.00677893	4
MX1	0.00021081	-0.3499293	0.057	0.47	0.42162083	4
CCL41	0.00021695	-0.4291912	0.61	0.978	0.43389379	4
CTSW1	0.00025005	-0.2646159	0.977	0.998	0.50009026	4
CCL51	0.00061189	0.25967734	0.811	0.954	1	4
BANF1	0.00077123	0.258591	0.482	1	1	4
ODC1	0.00140429	-0.2592778	0.091	0.492	1	4
CCL32	0.00151282	-0.4463075	0.213	0.659	1	4
GLIPR1	0.00212491	0.33610362	0.344	0.796	1	4
ZEB21	0.00383698	-0.414775	0.41	0.724	1	4
HIFX2	0.00498634	-0.7678643	0.119	0.494	1	4
CD3D	0.00500156	-0.9055922	0.047	0.554	1	4
HSPA52	0.06585184	-0.2579733	0.595	0.823	1	4
FOS1	0.0781031	-0.3779187	0.585	0.779	1	4
LTA	0.12941279	-0.3126003	0.027	0.46	1	4
HNRNPA2B11	0.21716723	-0.3921038	0.871	0.995	1	4
TNFAIP32	0.2509555	-0.6336634	0.115	0.52	1	4
NEAT11	0.26847652	-0.3588237	0.554	0.727	1	4
HERPUD11	0.35297026	-0.2722921	0.231	0.58	1	4
TRGC2	0.47004501	-0.3679961	0.064	0.54	1	4
XCL21	0.49846291	0.44749983	0.535	1	1	4
PIB1	0.50230728	-0.2571829	0.845	1	1	4
ANXA11	0.66031183	-0.3554406	0.726	0.998	1	4
MT2A3	0.87459427	-0.3436888	0.353	0.633	1	4
ACTG11	0.97898782	-0.3129555	0.988	1	1	4
IGLV2-11	1.05E-220	1.15509417	0.033	0.945	2.09E-217	5
IGHV1-24	5.57E-213	0.53426766	0.022	0.856	1.11E-209	5
IGKV1D-39	1.21E-201	0.28455164	0.046	0.966	2.42E-198	5
IGHV3-11	5.67E-178	0.42008943	0.029	0.873	1.13E-174	5
IGHV4-34	1.25E-173	0.3651868	0.061	0.966	2.50E-170	5
IGHA2	2.26E-168	-0.2798042	0.051	0.914	4.52E-165	5
IGHV3-74	3.60E-165	0.8831649	0.039	0.784	7.20E-162	5
IGKV1-9	6.22E-159	0.6601396	0.021	0.822	1.24E-155	5
IGHV1-3	1.59E-145	0.3321552	0.032	0.866	3.18E-142	5
GNLY2	2.95E-145	0.91745372	0.069	0.928	5.91E-142	5
KLF4	9.59E-136	-0.3821325	0.016	0.161	1.92E-132	5
IGKV2D-29	2.26E-133	0.26702771	0.051	0.897	4.52E-130	5
GZMA2	2.46E-132	0.27284338	0.06	0.76	4.92E-129	5
IGLV3-1	2.23E-129	0.6456187	0.043	0.86	4.45E-126	5
UTY	9.58E-119	-0.3875269	0	0.188	1.92E-115	5
IGHV2-5	5.51E-116	0.57406295	0.025	0.788	1.10E-112	5
IGLV2-8	1.59E-114	1.00614828	0.028	0.836	3.18E-111	5
IGKV4-1	9.77E-114	0.93568023	0.1	0.935	1.95E-110	5
NKG71	5.63E-112	0.56789674	0.07	0.726	1.13E-108	5
CTSW2	9.26E-112	0.2654683	0.075	0.74	1.85E-108	5
IGHV4-39	4.93E-104	1.17186588	0.081	0.89	9.86E-101	5
IGLV1-47	1.35E-102	1.02081278	0.088	0.897	2.70E-99	5
IGLV6-57	3.58E-99	0.52614439	0.026	0.671	7.16E-96	5
IGHV1-46	5.84E-92	0.58147338	0.02	0.185	1.17E-88	5
IGHV5-51	1.45E-90	-0.7341045	0.06	0.842	2.89E-87	5
IGLV1-51	6.79E-89	1.11732593	0.051	0.825	1.36E-85	5
IGLV2-23	1.23E-87	0.70119183	0.034	0.74	2.45E-84	5
ELL21	3.31E-85	-0.2616995	0.046	0.226	6.62E-82	5
IGLV1-40	3.87E-83	1.34425884	0.057	0.825	7.74E-80	5
IGKV2-30	3.20E-82	0.68842224	0.034	0.733	6.39E-79	5
IGKV3-20	1.14E-80	1.3988471	0.142	0.928	2.29E-77	5
IL321	1.52E-74	0.84890627	0.173	0.959	3.04E-71	5
IGHV3-15	1.64E-74	0.46012737	0.038	0.788	3.27E-71	5
IGHV3-30	8.00E-72	0.68371935	0.084	0.836	1.60E-68	5
GRASP1	1.02E-70	-0.3345332	0.037	0.253	2.04E-67	5
TCF71	1.08E-66	0.25111237	0.126	0.863	2.17E-63	5
SOX4	2.36E-58	-0.4148168	0.06	0.774	4.72E-55	5
IGLV3-25	1.04E-56	0.70755288	0.021	0.685	2.07E-53	5
IL7R1	1.04E-53	0.49909875	0.138	0.853	2.09E-50	5
CD3D1	1.54E-51	0.3152809	0.121	0.695	3.07E-48	5
IGHV3-23	3.37E-50	0.72265254	0.162	0.873	6.75E-47	5
LINC01781	2.17E-43	0.25459903	0.24	0.949	4.34E-40	5
CCL52	3.01E-43	0.45040969	0.094	0.774	6.01E-40	5
IGHV3-33	2.44E-41	0.3269527	0.03	0.705	4.88E-38	5
IGHV6-1	6.91E-41	0.29644811	0.012	0.654	1.38E-37	5
IGHV1-2	1.27E-40	0.55755874	0.07	0.747	2.53E-37	5
IGHV3-21	1.15E-39	0.44912899	0.08	0.753	2.30E-36	5
CFAP201	8.34E-39	-0.6712226	0.057	0.318	1.67E-35	5
IGHV3-53	7.04E-38	0.34963691	0.013	0.503	1.41E-34	5
LMNA1	2.64E-37	-0.3425089	0.017	0.277	5.28E-34	5
YBX3	1.95E-36	-0.3973741	0.133	0.325	3.91E-33	5
CD71	3.07E-36	0.43889778	0.13	0.647	6.14E-33	5
IGHV1-18	4.88E-36	0.91008767	0.046	0.705	9.76E-33	5
SLC9A3R11	2.92E-34	0.27818564	0.27	0.962	5.85E-31	5
NFKB1Z3	6.87E-32	-0.2543374	0.169	0.342	1.37E-28	5
IGLV1-44	3.89E-30	1.06189881	0.077	0.719	7.79E-27	5
AC103591.34	5.46E-29	-0.8437407	0.048	0.346	1.09E-25	5
PHACTR1	7.93E-29	-0.376498	0.199	0.818	1.59E-25	5
RAB11FIP1	4.16E-28	-0.4153297	0.112	0.356	8.32E-25	5
IGHV4-59	4.56E-28	0.67068852	0.089	0.726	9.12E-25	5
NFKBID	1.67E-27	-0.3647384	0.118	0.36	3.34E-24	5
ITGB1	8.70E-24	0.32533354	0.225	0.846	1.74E-20	5
IGHV3-7	2.24E-22	0.78960306	0.076	0.695	4.48E-19	5
IFI44L4	9.98E-22	-0.4897447	0.036	0.346	2.00E-18	5
IGLV8-61	1.10E-21	0.36734382	0.018	0.527	2.19E-18	5
EFHD21	8.56E-21	-0.3461887	0.087	0.384	1.71E-17	5
BACH2	7.00E-19	-0.5753116	0.402	0.925	1.40E-15	5
NR4A21	8.59E-18	-0.6041504	0.137	0.394	1.72E-14	5
IGLV2-14	1.64E-17	1.09353956	0.085	0.682	3.29E-14	5
WARS	9.64E-17	-0.3526105	0.075	0.664	1.93E-13	5
IGLV3-19	9.38E-14	0.44522377	0.022	0.616	1.88E-10	5
IGHD	3.33E-13	-0.2908925	0.449	0.959	6.66E-10	5
ADAM28	1.53E-11	-0.3150788	0.492	0.993	3.06E-08	5

AC245014.31	1.93E-11	-0.4970586	0.248	0.452	3.87E-08	5
FOSB1	3.52E-11	-0.345554	0.229	0.449	7.05E-08	5
YWHAQ	1.98E-10	-0.2723436	0.45	0.973	3.96E-07	5
CD22	2.75E-10	-0.2691973	0.481	0.949	5.49E-07	5
TUBB4B	4.23E-10	-0.4024328	0.13	0.442	8.46E-07	5
AC007952.4	8.86E-10	-0.5028262	0.416	0.877	1.77E-06	5
MAP3K81	1.46E-09	-0.4088179	0.256	0.455	2.92E-06	5
IGKV1-16	2.35E-09	0.30920775	0.006	0.401	4.70E-06	5
IGHV3-72	2.03E-08	0.35071594	0.012	0.479	4.05E-05	5
HLA-DRB12	2.13E-08	-0.2780421	0.995	1	4.25E-05	5
FCER2	2.22E-08	-0.3399348	0.566	0.993	4.43E-05	5
HLA-DRA1	2.91E-08	-0.2662593	0.991	1	5.82E-05	5
HERPUD12	7.00E-08	-0.3703102	0.364	0.795	0.00014002	5
BLK	1.24E-07	-0.3725977	0.56	0.99	0.00024865	5
HLA-DQB1	1.06E-06	-0.4475559	0.947	1	0.00211159	5
HLA-DQA1	1.10E-06	-0.3849112	0.896	1	0.00219131	5
IGKC	5.85E-06	-0.3391882	0.514	0.942	0.01170491	5
IGKV1-8	6.74E-06	0.445997	0.012	0.421	0.01348259	5
MTSS1	1.64E-05	-0.2995488	0.409	0.805	0.03275084	5
RHOB2	2.04E-05	-0.3143183	0.253	0.709	0.04084428	5
JUND3	2.05E-05	-0.5906268	0.188	0.647	0.0409896	5
AL138963.32	4.71E-05	0.29029922	0.438	0.914	0.09417045	5
PRDX2	5.95E-05	0.26372383	0.284	0.774	0.1189017	5
MYADM1	8.62E-05	-0.7257475	0.088	0.462	0.17245474	5
SAT1	0.000116	-0.3232481	0.623	0.938	0.2320095	5
IGKV1-5	0.00021168	0.89442335	0.058	0.442	0.42335392	5
AHNAK1	0.00028738	-0.4464127	0.476	0.822	0.57476921	5
IGKV3-15	0.00041208	0.53683749	0.066	0.589	0.82415289	5
HSP90AB1	0.00076154	-0.2796635	0.862	0.932	1	5
MEF2C	0.00639612	-0.3361942	0.665	0.976	1	5
S100A10	0.00642827	0.3384621	0.425	0.87	1	5
IGHV7-4-1	0.0069136	0.38454771	0.016	0.445	1	5
IGLV3-21	0.00702676	0.74889379	0.043	0.548	1	5
AFF3	0.00914317	-0.2688747	0.493	0.805	1	5
HNRNPA2B12	0.00966174	-0.3717999	0.926	1	1	5
CD79A	0.01223322	-0.2660709	0.977	1	1	5
LYN	0.03643494	-0.2679394	0.617	0.866	1	5
IGHV4-31	0.03846682	0.4117555	0.032	0.466	1	5
NPM1	0.05439328	-0.2862692	0.901	1	1	5
FOS2	0.07532688	-0.3680612	0.505	0.743	1	5
OAZ11	0.09471499	-0.2703634	0.952	1	1	5
HSPA53	0.25894756	-0.505817	0.334	0.654	1	5
CST71	0.32680307	0.26784653	0.065	0.144	1	5
IGKV3-11	0.36604518	1.28028451	0.063	0.517	1	5
VIM	0.36713881	-0.281667	0.827	1	1	5
LINC00926	0.42845851	-0.2588477	0.815	0.973	1	5
TNF2	0.4608347	-0.3348514	0.04	0.476	1	5
HMG1	0.48007721	-0.2893882	0.856	0.962	1	5
HLA-DRB51	0.6197465	-0.2621572	0.979	1	1	5
GADD45B	0.78895649	-0.4007044	0.234	0.596	1	5
CD83	0.83356775	-0.504354	0.373	0.616	1	5
S100A41	0.83700525	0.53783331	0.374	0.75	1	5
ATF32	0.8554649	-0.2542605	0.01	0.469	1	5
TRBV10-31	2.37E-102	0.26619211	0.014	0.731	4.74E-99	6
TRAV212	3.76E-77	0.31321915	0.065	0.925	7.52E-74	6
TRBV7-22	2.58E-75	0.4129458	0.051	0.892	5.16E-72	6
TRBV7-6	1.28E-73	0.2990959	0.053	0.892	2.56E-70	6
TRBV91	6.60E-66	0.25285933	0.045	0.849	1.32E-62	6
AC103591.35	4.02E-60	-0.7099259	0.041	0.204	8.04E-57	6
TRBV7-92	1.73E-56	0.41036805	0.074	0.882	3.46E-53	6
S100A82	1.12E-55	-0.3977911	0.017	0.237	2.24E-52	6
TRBV4-21	2.43E-55	0.53785253	0.07	0.871	4.87E-52	6
PCSKIN	1.29E-52	-0.3317614	0.107	0.914	2.57E-49	6
TRBV4-12	1.40E-47	0.52852934	0.038	0.215	2.80E-44	6
TRBV5-6	8.54E-43	0.27814305	0.037	0.72	1.71E-39	6
BACH21	8.24E-19	-0.2964051	0.237	0.892	1.65E-15	6
TRBV281	2.04E-15	0.296553	0.041	0.656	4.07E-12	6
TRBV20-12	1.50E-13	0.45777443	0.055	0.677	3.00E-10	6
NFKB1A2	1.75E-12	-0.4757443	0.289	0.849	3.51E-09	6
IFI44L5	3.24E-12	-0.2684491	0.009	0.226	6.48E-09	6
TRBV27	2.99E-11	0.38501748	0.079	0.688	5.97E-08	6
STAT13	4.34E-10	0.30877914	0.337	1	8.67E-07	6
MT2A4	5.25E-09	-0.3619804	0.395	0.978	1.05E-05	6
TRBV12-43	0.00031286	0.36318431	0.056	0.602	0.62572917	6
SNRPD3	0.00115234	0.26646303	0.419	1	1	6
TRBV6-52	0.00176573	0.52681256	0.068	0.602	1	6
MT-ATP8	0.02069723	0.26843721	0.802	0.968	1	6
TRBC1	0.10146074	0.25448794	0.521	1	1	6
ZFP361.22	0.32572252	-0.3391496	0.935	1	1	6
AL138963.33	0.50192939	0.43575788	0.571	0.957	1	6
AIFI	0.81901004	0.2681274	0.571	0.968	1	6
MRPL3	1.11E-121	-0.2503833	0.008	0.986	2.22E-118	7
JAML1	4.08E-101	0.29790669	0.051	0.993	8.17E-98	7
PTGDR	3.45E-98	0.41601604	0.061	0.997	6.89E-95	7
IGKV2D-291	4.46E-98	0.65581669	0.061	0.997	8.93E-95	7
SIRPG	4.24E-97	0.31055668	0.056	0.99	8.49E-94	7
FKBP2	7.55E-96	0.32940082	0.059	0.99	1.51E-92	7
CD8B1	6.05E-95	0.33062605	0.066	0.997	1.21E-91	7
IFNG-AS1	7.61E-95	0.28231516	0.069	1	1.52E-91	7
CST3	3.64E-93	-0.2606239	0.024	0.942	7.28E-90	7
ACTN1	3.66E-93	0.43718903	0.064	0.99	7.33E-90	7
KLRB12	5.75E-90	0.27578382	0.077	0.997	1.15E-86	7
MRPL13	7.73E-90	-0.2935874	0.019	0.928	1.55E-86	7
CSTB	1.06E-89	0.27604196	0.074	0.993	2.12E-86	7
NUCB2	6.08E-89	0.27533903	0.08	0.997	1.22E-85	7
IGHV3-71	6.48E-86	0.47971952	0.032	0.838	1.30E-82	7
NAAA	2.66E-85	0.25926853	0.088	0.997	5.32E-82	7
CD82	1.28E-84	0.38202973	0.066	0.962	2.56E-81	7

AL138963.34	2.37E-83	0.53929897	0.093	0.997	4.74E-80	7
GPR183	1.38E-80	-0.3964549	0.085	0.973	2.76E-77	7
HIST1H2BC	4.59E-79	0.52451721	0.101	0.997	9.17E-76	7
PARP1	2.27E-77	0.37550103	0.109	1	4.55E-74	7
HIST1H2BJ	2.73E-77	0.32319877	0.051	0.931	5.46E-74	7
IL4R	3.94E-77	-0.2506598	0.048	0.928	7.87E-74	7
NCF1	4.92E-77	0.36241964	0.037	0.12	9.84E-74	7
HIST1H2AG	1.08E-76	0.35280577	0.109	0.997	2.16E-73	7
CD27	5.39E-73	0.28570818	0.114	0.993	1.08E-69	7
FGFBP21	5.47E-73	-0.3163949	0.019	0.704	1.09E-69	7
GZMK1	7.50E-73	0.74293103	0.12	1	1.50E-69	7
CDC25B	3.19E-72	0.36946583	0.122	1	6.37E-69	7
UTY1	1.11E-71	-0.482392	0	0.127	2.21E-68	7
POU2F2	3.30E-70	0.25506371	0.098	0.966	6.60E-67	7
CD38	7.06E-70	-0.3175979	0.019	0.708	1.41E-66	7
CRIP2	8.88E-68	0.26008171	0.035	0.835	1.78E-64	7
LYZ	4.97E-67	-0.447783	0.024	0.876	9.95E-64	7
ILK	1.17E-65	0.25460483	0.051	0.9	2.34E-62	7
NUDT5	4.04E-64	0.34316331	0.056	0.893	8.08E-61	7
NELL21	8.47E-64	0.26683756	0.146	1	1.69E-60	7
HIST1H2AC	1.19E-63	0.50324514	0.128	0.979	2.37E-60	7
CNN2	2.86E-60	0.32475379	0.133	0.973	5.73E-57	7
KLRG1	5.83E-60	0.37947635	0.152	0.993	1.17E-56	7
CUX1	6.56E-58	0.37048513	0.066	0.893	1.31E-54	7
CCR7	1.14E-57	0.26399843	0.117	0.945	2.29E-54	7
EGR11	1.26E-57	0.53163752	0.16	0.997	2.52E-54	7
FCRL3	3.84E-57	0.30447054	0.043	0.667	7.68E-54	7
ANXA61	2.28E-55	0.37239365	0.17	1	4.56E-52	7
CCL42	3.56E-54	-0.3272253	0.019	0.612	7.13E-51	7
ATP2B1-AS1	6.06E-54	0.43523112	0.112	0.928	1.21E-50	7
PASK	1.19E-52	0.40956294	0.066	0.876	2.38E-49	7
FCGR3A1	3.55E-52	-0.3632481	0.019	0.656	7.10E-49	7
GART	6.50E-52	0.25379463	0.088	0.746	1.30E-48	7
ITGB7	7.56E-52	0.30521509	0.181	0.997	1.51E-48	7
SNRPG	7.57E-52	0.29871532	0.061	0.196	1.51E-48	7
FCMR	1.49E-48	0.58656698	0.189	1	2.98E-45	7
LIMS1	8.90E-48	0.56254916	0.093	0.887	1.78E-44	7
TRBC2	1.06E-47	0.59038387	0.191	0.997	2.11E-44	7
TUBA1B	3.26E-47	0.54708924	0.191	0.997	6.51E-44	7
HSP90B12	2.69E-46	-0.2834172	0.215	1	5.39E-43	7
TSHZ2	4.79E-44	-0.2580042	0.04	0.216	9.59E-41	7
ITGAX1	7.86E-44	-0.3612051	0.003	0.134	1.57E-40	7
GBP51	3.00E-42	-0.3743358	0.229	0.997	5.99E-39	7
DAAMI	7.56E-42	0.27064904	0.037	0.533	1.51E-38	7
CD3D2	1.16E-41	0.44144422	0.165	0.938	2.33E-38	7
TRBV6-53	2.98E-41	0.28028893	0.019	0.495	5.95E-38	7
TXNDC11	3.43E-41	-0.270817	0.051	0.23	6.85E-38	7
PSMB91	7.19E-41	0.53478321	0.218	1	1.44E-37	7
S100A9	1.32E-40	-0.6294733	0.037	0.23	2.63E-37	7
GRAP2	1.22E-37	0.2514219	0.104	0.856	2.44E-34	7
TRAC	3.18E-35	0.30909823	0.106	0.849	6.36E-32	7
TRBV4-22	2.20E-34	0.32812677	0.027	0.546	4.40E-31	7
LAT	3.30E-34	0.41731522	0.221	0.969	6.59E-31	7
HIST1H4C	2.49E-33	0.60809189	0.245	0.997	4.97E-30	7
SPON21	3.13E-33	-0.3849254	0.029	0.759	6.27E-30	7
LDHB	5.07E-33	0.34357369	0.237	0.979	1.01E-29	7
TCF72	1.87E-31	0.63467774	0.255	1	3.73E-28	7
ITGB11	1.37E-30	0.38718419	0.16	0.876	2.74E-27	7
ID2	7.58E-30	0.32225364	0.109	0.289	1.52E-26	7
NOSIP1	2.52E-28	0.5611738	0.269	1	5.03E-25	7
S100A83	3.28E-28	-0.8483846	0.027	0.278	6.57E-25	7
GNLY3	2.11E-27	-0.3254654	0.104	0.804	4.21E-24	7
DENND2D	3.28E-27	0.60476343	0.125	0.832	6.57E-24	7
SAMHD1	2.08E-25	0.43477426	0.239	0.34	4.17E-22	7
ARMH1	1.02E-24	0.32392942	0.069	0.766	2.04E-21	7
FOSB2	4.51E-23	0.25824956	0.306	0.997	9.01E-20	7
LYST1	8.46E-23	0.27158343	0.088	0.32	1.69E-19	7
IFI44L6	7.81E-22	-0.6406064	0.011	0.179	1.56E-18	7
PPM1G	3.66E-21	0.27673661	0.064	0.323	7.33E-18	7
TNF3	6.72E-20	-0.3290431	0.048	0.203	1.34E-16	7
MTRNR2L8	5.12E-19	-0.7043454	0.12	0.763	1.02E-15	7
KLRD11	1.88E-18	-0.4181619	0.059	0.698	3.76E-15	7
EPRS	1.09E-17	0.2571701	0.061	0.722	2.19E-14	7
PLEC	2.40E-17	0.51465753	0.168	0.811	4.79E-14	7
LDHA	8.13E-16	0.40289309	0.165	0.797	1.63E-12	7
Z93241.11	1.17E-15	0.63694493	0.093	0.735	2.35E-12	7
ENO1	1.50E-15	0.32167384	0.12	0.756	3.00E-12	7
EPST111	2.08E-15	-0.3892433	0.021	0.677	4.16E-12	7
ADGRG11	6.53E-14	-0.250184	0.016	0.502	1.31E-10	7
H2AFY	6.18E-11	-0.2836647	0.064	0.677	1.24E-07	7
PMAIP12	1.53E-10	-0.4178722	0.072	0.677	3.07E-07	7
IFIT23	3.19E-10	-0.8531558	0.008	0.186	6.38E-07	7
CST72	5.97E-10	0.53964639	0.098	0.409	1.19E-06	7
TGFBR31	2.65E-09	0.36118892	0.098	0.691	5.29E-06	7
DUSP21	5.43E-09	0.63123685	0.301	0.866	1.09E-05	7
NFKB1Z4	1.82E-08	-0.5711535	0.191	0.725	3.64E-05	7
MIF	4.48E-08	0.30741737	0.149	0.718	8.96E-05	7
CYB5D2	7.30E-08	0.31785975	0.024	0.399	0.00014602	7
CD3G1	3.66E-07	0.27249712	0.117	0.684	0.0007316	7
TKT	3.74E-07	-0.2788138	0.021	0.612	0.00074802	7
OASL2	1.03E-06	-0.745938	0.005	0.237	0.00205744	7
CPNE3	1.13E-06	0.27369141	0.045	0.629	0.00226092	7
SLC25A39	3.76E-06	0.27091951	0.048	0.625	0.00751319	7
CD28	2.17E-05	0.35536578	0.09	0.45	0.04332199	7
GADD45B1	2.54E-05	0.25305458	0.194	0.718	0.05084547	7
IFI6	4.38E-05	-0.3882196	0.019	0.433	0.087505	7
TRGV3	0.00012477	0.28967059	0.04	0.392	0.2495396	7
IL322	0.00028022	0.5284176	0.404	0.904	0.56043322	7

MX11	0.00077273	-0.2775214	0.061	0.584	1	7
LTB1	0.00081408	0.60435159	0.468	0.997	1	7
TOB12	0.00130689	-0.3253255	0.045	0.591	1	7
HSPA54	0.00226058	-0.3174125	0.184	0.667	1	7
HERC51	0.00637737	-0.8459808	0.024	0.433	1	7
ZEB22	0.00725408	-0.4335139	0.061	0.467	1	7
STAT14	0.0079522	0.27040986	0.098	0.612	1	7
SAT11	0.00854593	0.68357608	0.415	0.68	1	7
IL7R2	0.02152238	0.25392088	0.537	1	1	7
CD691	0.03243085	0.39680869	0.322	0.773	1	7
DUSP1	0.05552082	0.30695538	0.335	0.753	1	7
TRBC11	0.06429771	0.4879539	0.154	0.632	1	7
FOS3	0.1203164	0.26543543	0.394	0.784	1	7
ACTB1	0.1447904	-0.3032635	0.694	1	1	7
PRDX21	0.19091366	0.26545492	0.045	0.495	1	7
S100A42	0.25711951	0.33485589	0.181	0.625	1	7
PRDM11	0.41061714	-0.6743025	0.064	0.546	1	7
IFIT33	0.71326759	-0.8083303	0.005	0.127	1	7
JUN	0.92327124	0.30725206	0.617	0.945	1	7
GZMH1	0.97939321	-0.2532781	0.024	0.488	1	7
ZFP36L23	0.98914345	-0.3341457	0.699	0.997	1	7
PPBP1	4.39E-52	-0.45378	0.006	0.142	8.78E-49	8
IGLV3-191	2.94E-45	-0.2940756	0.003	0.52	5.87E-42	8
CD3D3	1.68E-43	0.28641166	0.128	0.961	3.36E-40	8
IL7R3	1.54E-39	0.58490061	0.155	1	3.07E-36	8
IL323	3.35E-35	0.61069863	0.172	1	6.71E-32	8
IFI271	3.22E-30	-0.7248904	0.003	0.181	6.43E-27	8
AC020916.1	3.68E-28	-0.2747791	0.055	0.236	7.36E-25	8
LYPD2	3.63E-26	0.38996714	0.187	0.913	7.27E-23	8
KCNMA1	3.54E-22	-0.2982152	0.032	0.756	7.09E-19	8
CXCL81	1.79E-21	-0.4120133	0.015	0.276	3.57E-18	8
GNLY4	1.17E-20	0.35468535	0.044	0.756	2.35E-17	8
PHACTR11	5.07E-20	-0.28274	0.073	0.283	1.01E-16	8
CCL43	9.12E-19	-0.5907842	0.02	0.291	1.82E-15	8
CD163	7.99E-18	-0.2776436	0.023	0.299	1.60E-14	8
CLEC10A	1.30E-17	-0.2670204	0.058	0.732	2.60E-14	8
TCN2	3.27E-14	-0.3358674	0.05	0.323	6.54E-11	8
VMO1	1.16E-13	0.40054903	0.297	0.969	2.31E-10	8
IER3	4.59E-13	-0.304625	0.017	0.331	9.18E-10	8
CCL4L21	5.27E-13	-0.4399821	0.003	0.331	1.05E-09	8
EGR12	5.75E-13	-0.3528946	0.058	0.331	1.15E-09	8
RNASE6	1.57E-12	-0.2717303	0.047	0.339	3.13E-09	8
HES1	2.67E-12	-0.2552676	0.035	0.339	5.35E-09	8
RGCC1	1.29E-10	-0.2770291	0.058	0.354	2.58E-07	8
LMNA2	9.58E-09	-0.3667511	0.044	0.37	1.92E-05	8
IFITM21	2.90E-08	0.40823532	0.983	0.969	5.79E-05	8
CCL53	3.05E-07	0.29319513	0.07	0.669	0.00061098	8
CD741	5.85E-07	-0.3542407	1	1	0.00116914	8
ADMI	1.27E-06	-0.3113121	0.05	0.394	0.00254745	8
CCL33	3.08E-06	-0.661229	0.041	0.394	0.00615216	8
PECAM1	4.31E-06	0.3555294	0.892	0.992	0.00861924	8
LDHA1	2.01E-05	0.28485046	0.723	0.677	0.04022345	8
CKB	2.21E-05	0.25031503	0.426	1	0.04424971	8
HLA-DRA2	5.37E-05	-0.3540023	0.988	1	0.10747117	8
LGALS2	7.20E-05	-0.4568111	0.111	0.425	0.14406616	8
IL1B	7.91E-05	-0.4397307	0.07	0.417	0.15814419	8
HLA-DRB13	0.00028554	-0.3925658	0.991	1	0.57108975	8
LYZ1	0.00029761	-0.4301608	0.985	0.992	0.59522904	8
HLA-DMA	0.00032139	-0.3574616	0.598	0.89	0.64278968	8
LILRA5	0.00038314	0.29855867	0.741	0.787	0.76627253	8
H2AFY1	0.00043927	-0.2978456	0.711	0.89	0.8785497	8
IFITM31	0.00090554	0.25008099	0.985	0.992	1	8
IGSF6	0.00116183	-0.3434514	0.755	0.984	1	8
PSME2	0.00141025	-0.2719866	0.854	1	1	8
CD36	0.00157574	-0.3363083	0.16	0.465	1	8
SHTN1	0.00182712	-0.3620061	0.07	0.441	1	8
HLA-DPB11	0.0048636	-0.3473499	0.956	1	1	8
CDKN1C	0.00488476	0.2887534	0.711	0.976	1	8
TNFSF101	0.00510543	0.31292921	0.662	1	1	8
HLA-DPA12	0.00840381	-0.2902428	0.991	1	1	8
C1QA	0.00962767	-0.8430836	0.175	0.646	1	8
MNDA1	0.01134543	-0.2804017	0.659	1	1	8
C1QC	0.01201592	-0.751988	0.035	0.535	1	8
BLVRB	0.01896232	-0.2791873	0.478	0.772	1	8
PTPRE1	0.02857763	-0.361463	0.332	0.709	1	8
CRTAP	0.03135109	-0.3611522	0.274	0.669	1	8
ALI38963.35	0.041132	0.29276228	0.522	1	1	8
MS4A6A	0.04301	-0.5108876	0.283	0.646	1	8
ATP2B1-AS11	0.07251332	-0.2787352	0.665	0.85	1	8
ODF3B	0.14180558	-0.2525511	0.335	0.709	1	8
MT-ND6	0.17633956	0.30899563	0.665	1	1	8
MSLN	0.17950374	0.59179975	0.551	1	1	8
LY86	0.22124908	-0.3415206	0.306	0.654	1	8
TNFAIP33	0.23608702	-0.2516539	0.128	0.512	1	8
MARCO	0.23613043	-0.2624675	0.155	0.528	1	8
CD14	0.2378579	-0.4119299	0.248	0.551	1	8
RETN	0.24850318	0.25390923	0.539	1	1	8
NKG72	0.26257825	0.2510923	0.236	0.591	1	8
SGK11	0.46678066	-0.498148	0.152	0.575	1	8
LINC02432	0.4978558	0.27593339	0.455	0.89	1	8
G0S21	0.50895912	-0.5676889	0.041	0.496	1	8
CD79B	0.58730033	0.29558162	0.507	0.937	1	8
LDHB1	0.61359077	0.28979178	0.437	0.764	1	8
DDIT41	0.62950357	-0.2663209	0.149	0.567	1	8
C1QB	0.68808378	-1.1120133	0.047	0.504	1	8
MT2A5	0.73182535	-0.6588095	0.767	0.803	1	8
PLBD1	0.99666033	-0.2738081	0.248	0.591	1	8
MAP7	1.57E-53	-0.3617759	0.008	0.952	3.14E-50	10

HIST1H2AM	2.81E-33	-0.2658328	0.034	0.952	5.61E-30	10
TRBV6-23	9.94E-27	0.28313826	0.053	0.952	1.99E-23	10
GPR82	6.53E-26	-0.3503892	0.05	0.905	1.31E-22	10
IER31	4.02E-23	-0.3253342	0.027	0.857	8.05E-20	10
MAP1A	3.72E-21	-0.3259339	0	0.333	7.45E-18	10
SI00A91	7.98E-21	0.27394951	0.065	0.143	1.60E-17	10
TRBV20-13	1.87E-20	0.44413312	0.08	0.952	3.74E-17	10
SI00A84	3.01E-20	0.66972507	0.027	0.19	6.01E-17	10
TRBV7-93	5.13E-20	0.34620254	0.031	0.667	1.03E-16	10
TRGC21	3.52E-19	-0.4645727	0.069	0.905	7.04E-16	10
TRBV192	4.91E-19	0.59967594	0.088	0.952	9.83E-16	10
LYZ2	4.91E-19	0.26234473	0.088	0.952	9.83E-16	10
HERCS2	1.72E-18	-0.2781454	0.084	0.143	3.44E-15	10
TCF4	2.21E-16	-0.3970433	0.023	0.762	4.42E-13	10
RBBP8	2.19E-15	-0.483899	0.023	0.238	4.38E-12	10
ID3	6.32E-15	-0.6475982	0.107	0.905	1.26E-11	10
TYMP1	9.29E-15	-0.2583287	0.069	0.857	1.86E-11	10
GRASP2	2.31E-14	-0.3810804	0.031	0.238	4.61E-11	10
TRBV4-23	1.07E-13	0.25770226	0.027	0.429	2.13E-10	10
GLUL	1.24E-13	-0.2677067	0.099	0.19	2.49E-10	10
KIR2DL4	6.89E-13	-0.7047543	0.156	0.952	1.38E-09	10
CHMP1B	1.93E-12	-0.3674263	0.145	0.952	3.87E-09	10
SOX41	2.29E-12	-0.3080294	0.141	0.952	4.58E-09	10
IGFBP2	4.47E-12	-0.2630343	0.008	0.19	8.94E-09	10
CD8B2	6.44E-12	0.57099106	0.168	1	1.29E-08	10
IFIT24	1.14E-11	-0.7016946	0.065	0.238	2.28E-08	10
FES	1.25E-11	-0.5791763	0.187	1	2.50E-08	10
SYK	2.09E-11	-0.3102867	0.191	1	4.19E-08	10
EBNA1BP2	4.12E-11	-0.2897398	0.164	0.952	8.24E-08	10
SIRPG1	5.61E-11	0.33754661	0.233	0.19	1.12E-07	10
TRGV91	3.00E-10	0.25104613	0.187	1	6.00E-07	10
KIR3DL2	3.78E-10	0.32519755	0.164	0.238	7.55E-07	10
SPTSSB	6.09E-10	-0.5668946	0.24	1	1.22E-06	10
PPBP2	8.69E-10	-0.4266043	0	0.143	1.74E-06	10
LIPA	1.98E-09	-0.4244434	0.225	1	3.97E-06	10
SIT1	2.84E-09	0.26372378	0.187	0.952	5.68E-06	10
OASL3	4.71E-09	-0.4363045	0.05	0.286	9.41E-06	10
ELL22	4.73E-09	-0.2947218	0.053	0.286	9.47E-06	10
MAL	6.20E-09	0.51955619	0.328	0.238	1.24E-05	10
BID	7.22E-09	0.31258147	0.233	0.238	1.44E-05	10
STMN1	1.45E-08	0.28121152	0.21	1	2.90E-05	10
SIPR5	4.05E-08	0.43602598	0.347	0.238	8.10E-05	10
TNFRSF18	1.23E-07	-0.5689031	0.271	0.952	0.00024515	10
IGFBP4	1.32E-07	-0.5110765	0.24	0.952	0.00026486	10
PLEC1	1.90E-07	-0.2628579	0.134	0.286	0.00038044	10
GZMH2	2.30E-07	0.26580581	0.324	0.238	0.00045955	10
IFIT34	2.90E-07	-0.665424	0.019	0.333	0.00058069	10
NOP56	6.03E-07	0.25044677	0.237	1	0.0012059	10
SPINT2	6.72E-07	0.25165066	0.168	0.762	0.00134386	10
ARMH11	7.89E-07	0.26618178	0.137	0.714	0.00157771	10
MCM3	8.14E-07	0.25328223	0.21	0.952	0.00162743	10
ATP2B1-AS12	1.56E-06	-0.6453468	0.275	1	0.0031189	10
MARCKSL1	2.07E-06	0.3211534	0.218	0.952	0.0041421	10
GRAP21	2.07E-06	0.28975104	0.218	0.952	0.0041421	10
GNLV5	2.25E-06	-0.7141626	0.954	1	0.00450662	10
LIME1	2.41E-06	0.35588775	0.431	0.286	0.00482472	10
MIR22HG	4.59E-06	-0.3426257	0.019	0.333	0.00918037	10
IL324	8.12E-06	1.10805272	0.84	0.762	0.01623714	10
GZMK2	1.04E-05	-0.7044116	0.416	1	0.02088368	10
LTB2	1.25E-05	1.06096676	0.847	1	0.02491116	10
PRDX1	1.35E-05	0.32344516	0.427	0.333	0.02709024	10
KLF10	1.95E-05	-0.4033631	0.084	0.333	0.03897974	10
TMSB10	1.96E-05	0.45206161	0.989	1	0.03925825	10
MX12	2.20E-05	-0.2611331	0.099	0.333	0.04398184	10
RHOC	4.80E-05	-0.3796688	0.267	0.905	0.09600518	10
HSH2D	5.23E-05	-0.3527558	0.439	1	0.10465325	10
BHLHE40	5.55E-05	-0.4464914	0.336	0.905	0.11091661	10
PP1B2	5.64E-05	-0.5053947	0.885	1	0.11270036	10
ACTN11	6.51E-05	0.37100696	0.252	0.905	0.13025814	10
ITGAX2	9.64E-05	-0.4857589	0.248	0.857	0.19275994	10
HLA-DMA1	9.70E-05	-0.3636192	0.134	0.762	0.1939634	10
KLRD12	9.76E-05	-0.7429695	0.859	1	0.19515884	10
FKBP11	0.00013149	0.32213077	0.37	0.381	0.26298036	10
PNP	0.00014172	0.28697143	0.26	0.952	0.2834488	10
SI00B2	0.00014483	-1.0211423	0.011	0.381	0.2896584	10
RPA3	0.00014563	0.25928424	0.26	0.952	0.29125748	10
PMAIP13	0.00014883	-0.7858205	0.168	0.333	0.29765229	10
MYC1	0.00016695	0.28026445	0.267	0.952	0.33390624	10
KLRG11	0.00021393	0.29589028	0.305	1	0.4278669	10
IFITM22	0.00023948	-0.4950625	0.992	1	0.47896261	10
TPM4	0.00034075	-0.2964816	0.359	1	0.6814995	10
SI00A6	0.00038	1.01852924	0.775	0.81	0.76000461	10
CMC1	0.00038959	-0.7715354	0.653	0.905	0.77917246	10
IFITM32	0.00056698	-0.6326691	0.912	1	1	10
SELL1	0.00057256	-0.6052421	0.908	1	1	10
AQP31	0.0007127	0.60959463	0.309	1	1	10
GSN1	0.00071273	-0.4638852	0.389	0.952	1	10
CY5D21	0.00075322	-0.7401181	0.073	0.381	1	10
CD742	0.00077867	-0.7136238	0.95	1	1	10
KLRC11	0.0009361	-0.6218595	0.511	1	1	10
TYROBP	0.00103883	-0.466279	0.966	1	1	10
PLSCR1	0.00115781	-0.2763787	0.103	0.381	1	10
ACTB2	0.00123852	0.30858169	1	1	1	10
GZMB1	0.00161749	0.73467739	0.592	0.571	1	10
NDUFB6	0.00162094	0.41121067	0.424	0.476	1	10
XCL22	0.00174796	-0.7150103	0.63	1	1	10
TIARP2	0.00174962	-1.0463893	0.095	0.381	1	10
XCL12	0.00177268	-0.6008841	0.527	0.952	1	10



STAT15	0.00188532	0.27475416	0.336	1	1	10
CAPG	0.0019973	-0.3458577	0.305	0.905	1	10
FGFBP22	0.00227335	1.02941456	0.473	0.571	1	10
SRGN	0.00250127	-0.5206328	0.901	1	1	10
RAMP1	0.00257517	-0.3291577	0.183	0.762	1	10
PDE4D2	0.00264988	-0.2544894	0.134	0.381	1	10
SPON22	0.00273707	0.70181211	0.466	0.524	1	10
CDK6	0.00280142	-0.4810683	0.126	0.381	1	10
TRBV5-11	0.00295208	0.37669729	0.034	0.524	1	10
NAAA1	0.00298691	0.26521896	0.344	1	1	10
EGR13	0.00324128	-0.4196225	0.107	0.667	1	10
GADD45B2	0.00350057	-0.3936463	0.531	1	1	10
CFAP202	0.0035148	-0.2893964	0.153	0.381	1	10
LDHB2	0.0035664	0.52442497	0.863	0.952	1	10
CTSW3	0.0036977	-0.3440888	0.981	1	1	10
PLPP5	0.00384342	-0.261136	0.084	0.667	1	10
ZMAT4	0.00384739	-0.3354812	0.073	0.381	1	10
S100A43	0.00388803	0.62593707	0.908	0.952	1	10
KIR2DL11	0.00410167	0.29133759	0.145	0.667	1	10
RNF130	0.00413335	-0.3254577	0.168	0.381	1	10
VIMI	0.00453675	0.64546703	0.882	0.905	1	10
PASK1	0.00464089	0.33646428	0.172	0.571	1	10
Z93241.12	0.00523132	0.25669529	0.332	0.952	1	10
CD3G2	0.0053556	0.7899648	0.469	0.619	1	10
ITGB12	0.00555713	0.28769687	0.523	0.524	1	10
NBPF14	0.00949593	-0.6295808	0.16	0.714	1	10
IL2RB	0.00964453	-0.6317946	0.74	1	1	10
KLRF1	0.00991197	-0.6933318	0.664	1	1	10
NINJ1	0.01019671	0.28944506	0.29	0.476	1	10
S1PR4	0.01037833	0.44991666	0.351	1	1	10
ANXA2	0.01537336	0.39685905	0.363	0.524	1	10
AHNAK2	0.01596659	-0.6033106	0.683	0.952	1	10
FAM30A	0.01601255	-0.5630326	0.027	0.571	1	10
TRDC	0.01721946	-0.4205393	0.702	1	1	10
CALR1	0.01888786	0.38073701	0.76	0.667	1	10
NUCB21	0.01939003	-0.2791653	0.55	1	1	10
LAT1	0.02014733	0.74637768	0.592	0.81	1	10
NCL1	0.02033344	-0.4120698	0.87	1	1	10
COTL1	0.02297204	-0.4883769	0.687	0.952	1	10
IL4R1	0.02308711	-0.2595632	0.218	0.429	1	10
CD37	0.02377727	-0.3494475	0.905	1	1	10
ANXA2R	0.02465908	0.37145283	0.351	0.952	1	10
CCL44	0.02630684	0.5067997	0.351	0.952	1	10
HLA-DPB12	0.02659481	-0.2580673	0.321	0.429	1	10
PLAC8	0.02848369	-0.5417758	0.767	1	1	10
DST	0.02919205	-0.333376	0.038	0.571	1	10
FCRL61	0.0344848	0.40579769	0.218	0.476	1	10
CD631	0.03747749	-0.4002437	0.615	1	1	10
LGALS11	0.04184059	0.27846294	0.355	0.905	1	10
VDAC3	0.04550186	0.29821936	0.382	1	1	10
TSPO	0.04736323	-0.3305163	0.683	1	1	10
RANBP1	0.04843981	0.29796843	0.378	0.952	1	10
IL7R4	0.04954753	0.3963183	0.84	0.952	1	10
HIST1H1D1	0.05342792	-0.8447685	0.5	0.857	1	10
CALM2	0.05384675	-0.4010838	0.718	1	1	10
UBE2J1	0.06143438	-0.3158435	0.302	0.762	1	10
ESY11	0.06246177	0.33151165	0.389	1	1	10
ANXA12	0.06824675	0.37127705	0.763	0.905	1	10
TRBC21	0.06957884	0.32875416	0.828	0.952	1	10
AIF11	0.07412936	0.27125611	0.183	0.714	1	10
DNMT1	0.07748095	0.37243339	0.412	1	1	10
GATA3	0.07765745	-0.3090381	0.477	1	1	10
SNRPD31	0.08054283	0.32053298	0.527	0.667	1	10
ILK1	0.08987199	0.32122817	0.408	1	1	10
CD72	0.09067814	-0.4828554	0.989	1	1	10
TRBC12	0.09642483	0.6246221	0.649	0.905	1	10
TAGLN21	0.09649917	-0.4519815	0.897	1	1	10
IDH21	0.09656129	0.31056365	0.363	0.905	1	10
NOSIP2	0.09843589	0.50773577	0.71	1	1	10
HOPX1	0.10045307	-0.4105361	0.897	1	1	10
MYOM21	0.10634446	1.03211004	0.607	1	1	10
PRMT1	0.10900142	-0.2870387	0.492	1	1	10
TPST2	0.11116457	-0.5176331	0.634	1	1	10
S100A11	0.11380678	0.52780209	0.615	0.952	1	10
PTGDR1	0.12155812	-0.2904532	0.584	1	1	10
PIM2	0.13628694	0.30363179	0.405	0.952	1	10
AT1C	0.14013176	0.30971944	0.29	0.571	1	10
CCL54	0.14786917	0.61238462	0.718	1	1	10
CLIC31	0.14972046	0.76877132	0.611	1	1	10
YWHAQ1	0.15065155	-0.3603237	0.66	1	1	10
IFI44L7	0.15720347	-0.8042014	0.057	0.571	1	10
SNRPE	0.15731719	0.25438305	0.408	0.619	1	10
CD3D4	0.17490983	0.10794869	0.542	0.905	1	10
FBL	0.17860171	-0.3396692	0.63	1	1	10
NDUF3	0.18420364	0.49137968	0.42	1	1	10
CPNE31	0.19218168	0.2889216	0.355	0.857	1	10
HLA-DRB14	0.19334731	-0.595184	0.187	0.476	1	10
LDHA2	0.20767858	-0.3040153	0.695	1	1	10
MDHI	0.2106317	0.2667901	0.466	1	1	10
TRBV7-23	0.21126963	0.3588054	0.031	0.19	1	10
FCER1G1	0.21896418	-0.6425458	0.92	1	1	10
CARD16	0.22104274	0.30041886	0.489	0.714	1	10
LRRN3	0.2286226	0.26158309	0.118	0.238	1	10
1-Sep	0.24147106	0.4104185	0.687	1	1	10
TUBA1B1	0.24373312	0.3352573	0.687	1	1	10
FCMR1	0.24993512	0.26416354	0.676	1	1	10
SNX3	0.28121231	-0.3211391	0.595	1	1	10
KLRB13	0.28202011	0.28441975	0.74	1	1	10

CTSC1	0.29424515	-0.2505893	0.679	1	1	10
PA2G4	0.31701017	-0.3013926	0.626	0.952	1	10
CD5	0.3255898	0.38709302	0.252	0.667	1	10
CASP1	0.34812509	0.26613567	0.29	0.762	1	10
CD271	0.34937869	0.27667896	0.5	1	1	10
ID21	0.3613308	-0.2746759	0.645	1	1	10
RGS2	0.37126036	-0.456564	0.076	0.571	1	10
ABRACL1	0.37813247	0.30303041	0.611	1	1	10
CRIP21	0.38689134	0.2560013	0.13	0.571	1	10
NFKBIZ5	0.4209535	-0.2910517	0.206	0.619	1	10
FOS4	0.42228888	-0.6622892	0.916	0.952	1	10
KLRC31	0.44553377	-0.6323108	0.107	0.571	1	10
SAT12	0.45106768	-0.4486412	0.592	0.714	1	10
I-Jun	0.45509986	-0.6677522	0.931	0.952	1	10
TTC38	0.4660443	0.36192096	0.435	0.905	1	10
FCGR3A2	0.48200542	0.65908505	0.569	1	1	10
CI2orf751	0.48324763	0.26344482	0.492	1	1	10
NDUFAB1	0.53916345	0.31285433	0.489	1	1	10
OSTC	0.58854477	0.27790534	0.504	1	1	10
TIMP11	0.61441725	0.29709767	0.412	0.714	1	10
EPRS1	0.72014678	0.30784781	0.366	0.714	1	10
PYCARD	0.72479405	0.25225412	0.366	0.762	1	10
NUDT1	0.74401076	-0.2684579	0.206	0.619	1	10
CSTB1	0.76491372	0.28174797	0.618	1	1	10
NEAT12	0.78212391	-0.3542494	0.615	0.667	1	10
CCR71	0.79302605	0.42388787	0.431	0.905	1	10
ZFH3	0.82802517	-0.3122369	0.038	0.524	1	10
CIQBP	0.85896135	0.44111074	0.534	1	1	10
LEF11	0.86503754	0.31630874	0.466	0.81	1	10
CCT2	0.87667502	0.49685349	0.466	0.905	1	10
SLCIA5	0.87781345	-0.7993481	0.061	0.524	1	10
CX3CR11	0.87838819	0.49591577	0.344	0.714	1	10
ALOX5AP	0.91852983	0.55696917	0.458	0.905	1	10
AL138963.36	0.93284781	0.63977883	0.58	1	1	10
MTRNR2L12	0.9348447	0.25768289	1	1	1	10
RPS27L	0.93666852	0.27830337	0.534	1	1	10
MYDGF	0.9424017	-0.2830432	0.382	0.667	1	10
HSPA8	0.96794676	-0.2643396	0.962	1	1	10
CCL34	0.97239013	0.2745403	0.122	0.571	1	10
IGKV3-111	6.39E-31	0.85043566	0.011	0.75	1.28E-27	11
RNASE1	1.12E-25	-0.3945227	0.004	0.125	2.24E-22	11
TUBB1	5.77E-22	-0.3203673	0	0.125	1.15E-18	11
IRF4	1.63E-21	-0.3709316	0.036	0.875	3.25E-18	11
TSC22D1	4.85E-20	-0.2560171	0.022	0.875	9.71E-17	11
IGKV3-201	3.55E-19	0.40035342	0.018	0.625	7.10E-16	11
TRBV5-61	3.55E-19	0.30154316	0.018	0.625	7.10E-16	11
IGLV2-141	3.71E-19	0.69698903	0.029	0.75	7.43E-16	11
RHOC1	2.48E-18	-0.5862635	0.066	1	4.97E-15	11
TPM1	2.08E-16	-0.4502421	0.073	1	4.17E-13	11
TNF4	7.41E-16	0.27292044	0.047	0.125	1.48E-12	11
CLU1	2.07E-15	0.34510818	0.004	0.25	4.14E-12	11
TRBV7-61	7.87E-15	-0.4991045	0.044	0.75	1.57E-11	11
IGHV3-231	2.57E-13	0.29965654	0.033	0.625	5.14E-10	11
TRBV92	8.64E-13	0.28653956	0.051	0.75	1.73E-09	11
ASGR2	9.21E-13	0.41870401	0.117	0	1.84E-09	11
BANK1	1.60E-12	-0.2908454	0.095	1	3.21E-09	11
UBE2S	3.76E-12	-0.3409591	0.099	1	7.53E-09	11
GZMK3	5.13E-12	0.32384217	0.095	1	1.03E-08	11
ZSCAN22	2.55E-11	-0.428441	0.004	0.25	5.10E-08	11
CCDC50	1.43E-10	-0.2866306	0.117	1	2.86E-07	11
RACGAP1	3.33E-10	-0.2550026	0.026	0.25	6.66E-07	11
CALHM6	1.00E-09	0.40754466	0.12	0.125	2.01E-06	11
SIGLEC1	1.18E-09	-0.9171724	0.033	0.5	2.36E-06	11
MANF	2.25E-09	-0.3424679	0.131	1	4.50E-06	11
ITGB5	4.28E-09	-0.3352093	0	0.375	8.56E-06	11
HES11	4.28E-09	-0.4000908	0	0.125	8.56E-06	11
MGST1	5.67E-09	0.82215407	0.219	0	1.13E-05	11
KPNA2	8.56E-09	-0.2875236	0.08	0.875	1.71E-05	11
MIR22HG1	1.21E-08	0.50233406	0.153	0.125	2.42E-05	11
TRBV282	1.22E-08	0.27725452	0.036	0.5	2.44E-05	11
TRDC1	2.34E-08	-0.329654	0.088	0.75	4.69E-05	11
BASP1	2.42E-08	0.29801967	0.102	0.125	4.84E-05	11
MX13	3.50E-08	0.25926978	0.164	0.125	7.00E-05	11
TRBV20-14	3.57E-08	0.71522857	0.084	0.75	7.14E-05	11
TXNDC17	4.97E-08	0.88085515	0.38	0	9.94E-05	11
SMIM3	1.09E-07	-0.4101179	0.051	0.25	0.00021861	11
ID31	1.64E-07	0.25397772	0.091	0.75	0.00032745	11
IFI61	4.65E-07	0.29131893	0.208	0.125	0.00092995	11
COMTD1	8.79E-07	-0.4093696	0.109	0.875	0.00175718	11
CD300LF	1.06E-06	-0.5376361	0.153	0.875	0.00212816	11
CMC11	1.17E-06	-0.3525291	0.172	1	0.00233222	11
MCM7	1.87E-06	-0.2973896	0.113	0.875	0.00373369	11
HPGD	3.13E-06	-0.2866252	0.033	0.25	0.00625231	11
TBX21	4.03E-06	-0.5873357	0.088	0.625	0.00805978	11
HSPB11	4.71E-06	-0.3147661	0.193	1	0.00942696	11
TRBV7-24	8.11E-06	0.75581701	0.058	0.5	0.0162125	11
LMNA3	9.00E-06	-0.2654174	0.091	0.25	0.01799303	11
CD8A1	1.03E-05	0.45773287	0.179	1	0.02059107	11
CDCA7L	1.12E-05	-0.2994656	0.058	0.625	0.02234582	11
EPST112	1.27E-05	-0.5498558	0.102	0.25	0.02535666	11
SAMD31	1.37E-05	-0.3004259	0.172	0.875	0.02732463	11
CD692	1.59E-05	-1.4003826	0.405	1	0.03176092	11
MCM31	1.82E-05	-0.2720655	0.128	0.875	0.03642301	11
GBPS2	1.87E-05	-0.2868251	0.201	1	0.03741567	11
EPHB6	2.21E-05	-0.3053993	0.095	0.75	0.04410978	11
MS4A1	2.29E-05	0.47652964	0.157	0.875	0.04572787	11
RPS4Y11	2.88E-05	-0.6450545	0	0.625	0.05765204	11
SWAP70	3.02E-05	0.42454222	0.153	0.25	0.0603478	11

CISD1	3.04E-05	-0.3560686	0.142	0.875	0.06073113	11
GPR35	4.22E-05	-0.2550463	0.055	0.25	0.0843562	11
IL2RB1	4.45E-05	-0.4628314	0.106	0.625	0.08896867	11
P2RY13	4.63E-05	-0.3056548	0.106	0.75	0.09261015	11
HPRT1	5.18E-05	0.3252523	0.179	0.25	0.10366006	11
PIK3AP1	6.58E-05	0.41261727	0.193	0.25	0.13165321	11
MT1X	7.62E-05	0.30920196	0.186	0.25	0.15243213	11
PTTG1	8.31E-05	-0.3963646	0.062	0.25	0.16627246	11
CD79A1	0.00010376	0.82906986	0.172	0.875	0.20751732	11
1-Mar	0.00010463	-0.2995027	0.263	1	0.20925331	11
CD40	0.00011396	0.260554	0.102	0.75	0.22792388	11
GLIPR11	0.00012108	0.99675373	0.504	0.25	0.24216942	11
SELENOS	0.00012777	0.442829	0.252	0.25	0.25553284	11
RPNI	0.00024006	0.67110211	0.42	0.25	0.48012581	11
ASGR1	0.00037439	-0.7390604	0.365	1	0.74878183	11
DDIT42	0.0005501	0.35684768	0.307	0.25	1	11
PSMD8	0.00067641	0.37588255	0.394	0.25	1	11
PRF11	0.00067874	-0.2843292	0.175	0.75	1	11
CD40LG	0.00068164	0.27272536	0.124	0.625	1	11
AREG2	0.00084935	-0.5328843	0.022	0.375	1	11
PYGL	0.00086586	-0.4188169	0.259	0.875	1	11
NELL22	0.00111709	-0.2587362	0.142	0.625	1	11
RALGPS2	0.00117276	0.33724054	0.128	0.75	1	11
CEBPB	0.00121382	1.1245204	0.599	0.375	1	11
SNX22	0.00128643	-0.5335161	0.026	0.375	1	11
HIST1H1D2	0.00157458	-0.5524797	0.405	1	1	11
CTSW4	0.00227138	0.47178674	0.259	1	1	11
CREB5	0.00260814	-0.3727026	0.172	0.75	1	11
TREML1	0.00283788	-0.3236791	0.004	0.125	1	11
CST73	0.00296177	-0.2680564	0.208	0.875	1	11
AC103591.36	0.00314496	-0.7394571	0.036	0.375	1	11
ETFA	0.00361175	-0.3297034	0.237	0.875	1	11
TRAV13-12	0.00380276	0.27911133	0.069	0.375	1	11
ACTG12	0.00416367	0.65687864	0.967	1	1	11
EPRS2	0.00460742	0.26118876	0.266	1	1	11
OSTC1	0.00505304	0.4139611	0.35	0.375	1	11
GZMB2	0.00530749	0.4488492	0.109	0.625	1	11
HLA-DQA11	0.00549148	0.36808901	0.277	1	1	11
LINC009261	0.00550309	0.29672762	0.113	0.5	1	11
ITGB13	0.00657206	0.60853661	0.365	0.375	1	11
SULT1A1	0.00692129	0.5199017	0.321	0.375	1	11
IDH22	0.00814205	0.31417453	0.303	0.375	1	11
GGCT	0.0081431	0.28368699	0.142	0.375	1	11
IGHV5-511	0.00826123	0.39248258	0.011	0.125	1	11
ERLEC11	0.00837686	0.37960566	0.179	0.375	1	11
LYL1	0.00838986	0.33255857	0.175	0.375	1	11
ICAM1	0.00864583	0.28554399	0.142	0.375	1	11
BCL2A1	0.00883163	0.59927875	0.27	0.375	1	11
PRDM12	0.00889868	-0.4094349	0.066	0.375	1	11
VPREB3	0.00980667	0.25127556	0.08	0.375	1	11
RXRA	0.00986803	0.38598025	0.255	0.375	1	11
LDHA3	0.00988644	0.74888579	0.562	0.5	1	11
DMTN	0.01128513	-0.3439495	0.011	0.125	1	11
ACSL1	0.01149879	-0.3705825	0.08	0.375	1	11
SLC31A2	0.01218025	-0.254196	0.157	0.75	1	11
MZT1	0.01239631	-0.5421553	0.164	0.75	1	11
IGLV1-401	0.01271544	-1.0776409	0.007	0.25	1	11
HVCN1	0.0137875	0.33978598	0.212	0.875	1	11
SLC25A37	0.01782355	-0.5923633	0.19	0.75	1	11
ADGRE2	0.01867424	-0.2674587	0.095	0.625	1	11
INSIG1	0.01953729	-0.2865802	0.106	0.375	1	11
CALR2	0.0212273	0.54499255	0.544	0.5	1	11
AQP32	0.02226082	0.60925846	0.303	1	1	11
IGHV3-531	0.02260792	0.27357338	0.015	0.125	1	11
SELL2	0.02333382	0.77004389	0.704	0.625	1	11
FKBP21	0.02420394	-0.6082262	0.328	0.375	1	11
SPN	0.0253748	0.31295704	0.307	1	1	11
HIST1H1C1	0.02562616	-0.3590597	0.343	0.875	1	11
RPA31	0.02582299	-0.5212772	0.201	0.75	1	11
MT-ND4L	0.02619526	0.4537651	0.989	1	1	11
TRAC1	0.02952135	0.42732932	0.318	1	1	11
CDKN1A	0.03211849	-0.5437733	0.226	0.75	1	11
ILIR2	0.03227604	-0.3886542	0.004	0.375	1	11
HYOU1	0.03404984	-0.2836414	0.113	0.625	1	11
ACTB3	0.03419675	0.3271438	1	1	1	11
HIST1H4C1	0.03480828	-0.4519795	0.544	1	1	11
NRGN	0.03484796	0.32673774	0.255	0.375	1	11
CYB561A3	0.03631203	0.40494779	0.237	0.875	1	11
TLR2	0.03665169	0.31963991	0.193	0.75	1	11
SH3BGR1.31	0.03689199	0.41747355	0.993	1	1	11
HOPX2	0.03801075	-0.3511885	0.164	0.75	1	11
LAT3	0.0381172	-0.3731639	0.405	1	1	11
COTL11	0.03890845	0.41954834	0.942	1	1	11
RASSF4	0.0433968	-0.3417441	0.332	0.875	1	11
IGKV1-51	0.04486902	0.66616515	0.018	0.125	1	11
GAPDH	0.05058187	0.36527111	0.996	1	1	11
PRMT11	0.05333942	0.37241116	0.332	1	1	11
HSPD1	0.05381714	-0.3814782	0.369	0.875	1	11
AHNAK3	0.05514013	0.78005836	0.803	0.875	1	11
ACTN12	0.05676664	0.60600117	0.339	0.5	1	11
CD1631	0.05760977	-0.3747766	0.208	0.75	1	11
LRRK2	0.06381693	-0.2604184	0.193	0.75	1	11
PPM1G1	0.06432803	-0.3882533	0.387	0.875	1	11
CACYBP	0.06493952	0.53089986	0.325	0.5	1	11
GAS6	0.06633599	-0.5060294	0.018	0.375	1	11
NDUFB31	0.06972709	0.4127008	0.376	0.5	1	11
CTSS	0.07028553	0.47578656	0.938	0.75	1	11
PYCARD1	0.0721109	-0.3285823	0.766	1	1	11

IGHV3-211	0.07394262	0.37085932	0.022	0.125	1	11
CD632	0.08059289	-0.8944667	0.449	0.875	1	11
CPPE1	0.08064509	0.37552367	0.361	0.5	1	11
TAGLN22	0.08253729	0.61360985	0.81	0.875	1	11
CFP	0.084724	0.3454955	0.547	0.5	1	11
ARHGAP24	0.08752073	-0.3335078	0.153	0.625	1	11
S100A101	0.09080509	0.4110862	0.96	1	1	11
SIRPG2	0.09136049	0.3519097	0.172	0.75	1	11
PGD	0.09370157	-0.3397999	0.522	0.875	1	11
SUB11	0.09384386	0.53214383	0.686	0.75	1	11
KLF101	0.09743759	0.33192605	0.405	0.5	1	11
NAIP	0.09870537	-0.250486	0.361	0.875	1	11
H2AFY2	0.09979721	0.43815298	0.562	0.625	1	11
MRPL131	0.10133794	0.26246693	0.175	0.75	1	11
ATPSF1B1	0.10191612	0.35569402	0.635	0.625	1	11
CD93	0.10603835	-0.2652138	0.27	0.75	1	11
PSMB8	0.1066642	-0.4485576	0.584	0.875	1	11
NFKB1Z6	0.108472	-0.4351767	0.38	0.75	1	11
MT-ATP81	0.10852264	-0.3275045	0.664	1	1	11
CYP1B1	0.10883322	0.27214443	0.124	0.625	1	11
SDHC1	0.11039636	0.34911216	0.318	0.5	1	11
ENO11	0.11107256	0.44861189	0.745	0.75	1	11
P2RX1	0.1110802	-0.5015076	0.088	0.625	1	11
CPVL	0.11291892	0.39548724	0.449	0.5	1	11
TRGV92	0.11707603	-1.0775623	0.029	0.125	1	11
TLN11	0.11725165	0.40711361	0.588	0.625	1	11
VIM2	0.11791732	0.33427452	0.978	1	1	11
CORO1A1	0.11990021	0.29721769	0.916	1	1	11
CALM21	0.12311942	0.26893265	0.734	0.625	1	11
MTRNR2L121	0.12424537	0.48862441	0.971	1	1	11
FERM13	0.12473388	0.2546196	0.478	0.5	1	11
CFD	0.1249921	-0.3734404	0.664	0.875	1	11
PLAC81	0.1252967	-0.5840969	0.387	0.5	1	11
ATP2B1-AS13	0.12634956	0.71429619	0.591	0.75	1	11
CTSD	0.12701701	0.4907173	0.544	0.625	1	11
GZMA3	0.13374383	0.54450119	0.19	0.5	1	11
HIFX3	0.13534471	0.62968554	0.555	0.625	1	11
FGFBP23	0.13730169	0.25003672	0.08	0.25	1	11
MYADM2	0.13853092	-0.3718748	0.46	0.875	1	11
MT2A6	0.13887979	-0.5973574	0.507	0.5	1	11
DUT	0.14192549	-0.2751331	0.511	0.875	1	11
RBP7	0.14893916	-0.2624597	0.427	0.875	1	11
SOX42	0.15247774	0.44473162	0.237	0.5	1	11
ATPSF1A	0.15481385	0.55627233	0.624	0.875	1	11
MPP1	0.15570519	0.36947906	0.223	0.5	1	11
NCF2	0.16317545	0.6366318	0.624	0.75	1	11
C19orf38	0.16379916	0.38677679	0.412	0.5	1	11
CSTA	0.16616037	0.4784782	0.682	0.75	1	11
KLRD13	0.16732061	-0.7574814	0.099	0.25	1	11
FOSB3	0.16968453	0.32149487	0.704	0.625	1	11
IFITM33	0.17135846	-0.2834596	0.781	0.625	1	11
CSE3R	0.17215042	-0.5495855	0.504	0.875	1	11
GZMM1	0.17553017	0.55712682	0.376	1	1	11
IFNGR2	0.17893528	0.3317857	0.409	0.5	1	11
AHR	0.18535293	-0.7674429	0.19	0.625	1	11
LAG31	0.18666269	-0.2558459	0.033	0.25	1	11
TNFRSF13C	0.19519482	-0.256253	0.033	0.25	1	11
VCL	0.19648921	0.38887341	0.193	0.5	1	11
TRAV12-1	0.19956661	-0.2688155	0.033	0.25	1	11
PRDX11	0.20145194	0.72116958	0.522	0.75	1	11
DUSP6	0.20156853	-0.8200625	0.347	0.75	1	11
SEC61B	0.20367089	-0.3141726	0.734	0.75	1	11
HLA-DPB13	0.20367096	0.65995511	0.734	0.875	1	11
HSP90AB11	0.2117828	-0.5284457	0.854	1	1	11
SNAP23	0.21770923	0.43950419	0.307	0.875	1	11
NPC2	0.21849151	0.38948294	0.679	0.75	1	11
CD361	0.22003587	0.58050916	0.5	0.625	1	11
NKG73	0.22255346	-0.2862194	0.266	0.5	1	11
FPR1	0.2263139	0.27925243	0.354	0.5	1	11
HSP90B13	0.22791383	-0.399432	0.668	0.875	1	11
YWHAQ2	0.22953566	-0.2610077	0.42	0.875	1	11
LTB3	0.24042292	0.51138836	0.85	1	1	11
CANX	0.24247566	0.36830358	0.449	0.625	1	11
DUSP11	0.2428047	0.31724453	0.92	0.75	1	11
PSME21	0.24303425	0.3039986	0.712	0.75	1	11
CSTB2	0.2432327	0.51836573	0.715	1	1	11
LGALS12	0.24807417	0.28404802	0.901	1	1	11
BTK	0.25032061	0.26453132	0.157	0.625	1	11
STAB1	0.25106542	-0.9656747	0.172	0.625	1	11
TMEM1562	0.25616678	-0.4184104	0.044	0.375	1	11
HLA-DQB11	0.25670188	0.46383794	0.434	1	1	11
IFI30	0.25895885	0.53115046	0.504	0.625	1	11
IL325	0.25899107	0.66752858	0.737	1	1	11
LDHB3	0.25953391	0.33917729	0.807	1	1	11
SYK1	0.26281082	0.2820445	0.434	0.625	1	11
RAB32	0.265006	0.31588025	0.347	0.5	1	11
PA2G41	0.26826545	0.56620323	0.496	0.75	1	11
CCT7	0.27690502	0.40805808	0.416	1	1	11
PDCD5	0.27923503	0.52871859	0.401	1	1	11
AP2S1	0.28014629	0.37228874	0.737	1	1	11
HP	0.28393292	-0.2609814	0.036	0.5	1	11
SGK12	0.28524317	-0.6959222	0.303	0.625	1	11
UQCC2	0.2899689	0.31999928	0.223	0.75	1	11
SERPINA1	0.29808174	0.43889357	0.788	0.875	1	11
FGR1	0.30476537	0.36660164	0.602	0.75	1	11
CYTOR	0.30781981	-0.3689939	0.142	0.625	1	11
HLA-DRB15	0.31771926	-0.3334231	0.814	0.875	1	11
TRAV8-41	0.31796933	0.38406086	0.044	0.125	1	11

PPICA	0.32031095	0.55523785	0.679	1	1	11
RAB31	0.3209788	0.34407252	0.31	0.5	1	11
CTSC2	0.32739181	-0.5484222	0.445	0.625	1	11
STXBP2	0.3315763	0.38904279	0.719	0.75	1	11
ADGRG12	0.33355958	-0.3009988	0.051	0.125	1	11
SAT13	0.34986869	0.31991293	0.92	1	1	11
TRBV6-1	0.35079923	0.33173232	0.044	0.25	1	11
TIMM10	0.352076	0.27017161	0.245	0.75	1	11
Z93241.13	0.36168293	0.39210415	0.416	1	1	11
DYNLL1	0.36397357	0.37225905	0.566	0.75	1	11
CTS5	0.36408732	0.2881927	0.365	0.875	1	11
AL138963.37	0.3790285	1.18363138	0.635	1	1	11
Clorf162	0.379592	-0.4306498	0.672	1	1	11
CTSA	0.38193375	-0.2690353	0.347	0.5	1	11
EMILIN2	0.39289334	-0.2997232	0.321	0.625	1	11
RAB11FIP11	0.39319642	-0.2608951	0.339	0.75	1	11
TBXAS1	0.39405128	0.33699965	0.365	0.625	1	11
MIF1	0.40522303	0.25696515	0.796	0.875	1	11
11-Sep	0.40970899	0.52320804	0.438	1	1	11
NBPF141	0.41798489	-0.9290237	0.321	0.5	1	11
HIST1HIE	0.44788707	0.48862535	0.704	0.875	1	11
TCL1A	0.44908186	0.33014777	0.055	0.125	1	11
SLC9A3R12	0.45757828	0.34824627	0.478	1	1	11
CLEC12A	0.46588528	0.34116777	0.325	0.75	1	11
SUPT16H	0.46888726	-0.2726557	0.208	0.5	1	11
ITGB71	0.47686176	0.39103756	0.255	0.75	1	11
PLEK1	0.48454096	0.3315668	0.536	0.75	1	11
DNMT11	0.49096917	-0.337264	0.332	0.75	1	11
MT-ND61	0.49458799	1.02142179	0.569	1	1	11
CRTAPI	0.50055994	0.32260928	0.547	0.75	1	11
LTA4H	0.50392923	0.68902917	0.602	1	1	11
MTHFD2	0.50504819	-0.3139688	0.139	0.5	1	11
CD51	0.5068423	0.40027575	0.201	0.5	1	11
SSR4	0.51598762	0.27680206	0.741	1	1	11
MNDA2	0.52515494	-0.2875722	0.755	1	1	11
HLA-DQA2	0.5320243	0.27550748	0.496	1	1	11
TRBV3-12	0.54262496	0.33608906	0.051	0.125	1	11
BHLHE401	0.54653726	-0.3347774	0.175	0.5	1	11
NUDT11	0.54941037	0.46075951	0.281	0.625	1	11
NDUFAB11	0.55075398	0.36331665	0.478	1	1	11
RGS21	0.56062532	0.27243667	0.522	1	1	11
VDAC31	0.5660814	0.4426837	0.277	0.625	1	11
LIMS11	0.56608148	0.44989588	0.277	0.625	1	11
CD821	0.57275278	-0.3492666	0.201	0.5	1	11
MS4A6A1	0.58177321	-0.3155061	0.726	0.875	1	11
PTGER4	0.58554394	-0.3420267	0.164	0.5	1	11
TUBB	0.5910091	0.63043581	0.566	1	1	11
FCMR2	0.59413023	0.37087825	0.489	1	1	11
SLC7A7	0.60600406	0.63070461	0.445	0.75	1	11
PSMA4	0.61605884	0.52579788	0.376	0.875	1	11
JPT1	0.62072128	0.38894649	0.412	0.875	1	11
DMXL2	0.6391896	-0.5359985	0.303	0.625	1	11
CDK61	0.65757433	-0.4081777	0.088	0.5	1	11
HMGB2	0.65995566	-0.5599886	0.365	0.625	1	11
CD73	0.66085159	0.41730244	0.518	1	1	11
HIST3H2A	0.66350318	-0.3065566	0.069	0.5	1	11
NLRP3	0.6730835	-0.4969753	0.234	0.625	1	11
IL7R5	0.6937862	0.29189567	0.635	1	1	11
ID1	0.69803302	-0.4820731	0.077	0.5	1	11
FCRL1	0.70129084	-0.2695219	0.036	0.125	1	11
HS2D1	0.71139972	0.35243974	0.157	0.5	1	11
RETN1	0.71192259	0.2587663	0.606	0.875	1	11
IGLC3	0.71841386	-0.4947636	0.033	0.125	1	11
UCHL5	0.72791474	0.25006686	0.161	0.625	1	11
IGLC2	0.72824016	-0.5022429	0.033	0.125	1	11
ALDH2	0.73603028	0.42621389	0.358	0.75	1	11
ADA2	0.73655376	0.29212501	0.453	0.875	1	11
IGHA1	0.73663049	-0.6762681	0.029	0.125	1	11
RNASE2	0.73778245	-0.4984757	0.073	0.5	1	11
EFHD22	0.74822215	-0.5206136	0.46	0.75	1	11
SLC40A1	0.75220483	0.2684401	0.15	0.5	1	11
NPM11	0.75614118	-0.2786917	0.85	1	1	11
ANP32E	0.76602053	0.31751149	0.328	0.75	1	11
CD302	0.7678066	0.28113982	0.318	0.75	1	11
LILRA2	0.77066807	0.26919995	0.332	0.75	1	11
JAKMIP1	0.77724232	-0.3526992	0.022	0.125	1	11
PIIB3	0.78215679	-0.4136994	0.766	1	1	11
ANKRD28	0.78750929	-0.4860579	0.051	0.5	1	11
HCK	0.78771559	0.53731466	0.522	0.875	1	11
CSAR1	0.79718447	-0.4553677	0.328	0.5	1	11
LCK1	0.80462659	0.28687694	0.595	1	1	11
FCRL5	0.81294346	-0.3101984	0.018	0.125	1	11
SPCS2	0.81308729	0.33458756	0.412	0.75	1	11
IGKV4-11	0.83150395	0.39189399	0.015	0.375	1	11
Cl2orf752	0.8324905	0.30391861	0.175	0.625	1	11
MCTP1	0.8324905	0.27574635	0.175	0.625	1	11
MARCKS	0.83306977	-0.253665	0.299	0.5	1	11
ATP5MC1	0.84412631	0.28473284	0.42	0.75	1	11
PCSKIN1	0.84539848	-0.469473	0.018	0.25	1	11
ABRACL2	0.8530544	0.45069502	0.566	1	1	11
TOR3A	0.85817957	0.28249338	0.179	0.625	1	11
ZFH31	0.87035947	-0.4956095	0.153	0.5	1	11
HMGA1	0.87302366	-0.3342761	0.281	0.625	1	11
XIST2	0.87675235	0.40185158	0.453	0.875	1	11
CCT8	0.87712357	0.2624049	0.354	0.75	1	11
DPYSL2	0.88365035	0.33722107	0.182	0.625	1	11
CD3D5	0.88970217	0.53132736	0.588	1	1	11
PRAMI	0.89582275	-0.4088874	0.391	0.75	1	11

HLA-DMB	0.89863465	0.38868023	0.438	0.875	1	11
IFI272	0.90598639	-1.045154	0.007	0.125	1	11
LILRB4	0.90681987	-0.4830289	0.164	0.5	1	11
NAA2	0.90740861	0.29946999	0.464	0.875	1	11
NOSIP3	0.91606451	0.26050686	0.653	1	1	11
TGFBI	0.91971799	0.29495754	0.493	0.875	1	11
IGHV3-741	0.9309668	-0.4079816	0.004	0.125	1	11
TRBV7-3	0.9309668	-0.4705446	0.004	0.125	1	11
LINC024461	0.93222465	0.35749831	0.102	0.25	1	11
CD831	0.93387514	0.31272288	0.19	0.625	1	11
CITED2	0.93517271	-0.2701529	0.394	0.625	1	11
H2AFZ	0.94055054	0.27594588	0.613	1	1	11
ALDH3B1	0.94084084	-0.5163068	0.168	0.5	1	11
AC007952.41	0.96554549	0.28560834	0.588	1	1	11
PECAM11	0.96734538	0.61976735	0.434	0.875	1	11
MIDN1	0.97769399	-0.3655382	0.35	0.625	1	11
PDIA6	0.97775651	0.28892555	0.354	0.75	1	11
MRPL51	0.98164345	-0.4145095	0.343	0.625	1	11
MTCH2	0.98305298	0.30392017	0.197	0.625	1	11
NDUFB61	0.98563686	0.48275392	0.336	0.75	1	11
ITGAM	0.9979153	-0.5631564	0.318	0.625	1	11
IL326	2.20E-22	0.33401294	0.142	1	4.41E-19	12
CXCL82	2.01E-15	-0.3011659	0.009	0.25	4.03E-12	12
CIQA1	4.28E-12	-0.5299938	0.033	0.269	8.56E-09	12
APOBEC3A	3.09E-11	-0.2530685	0.038	0.288	6.17E-08	12
PPBP3	7.83E-10	-0.4638976	0.005	0.308	1.57E-06	12
C1QB1	1.99E-07	-0.533561	0.005	0.231	0.00039713	12
RGS22	0.00046369	-0.3164954	0.583	0.904	0.92738727	12
NR4A22	0.00079166	-0.2896976	0.474	0.885	1	12
EREG1	0.00179275	-0.315558	0.071	0.635	1	12
TNFAIP34	0.00893299	-0.3892237	0.18	0.673	1	12
IFITM34	0.01104014	-0.4501282	0.848	0.981	1	12
FCERIA	0.02382713	0.39094812	0.815	1	1	12
IGLV2-142	0.02591948	0.29738766	0.019	0.346	1	12
NEAT13	0.04555141	-0.2665981	0.848	0.962	1	12
MAP3K82	0.04592905	-0.2660255	0.521	0.788	1	12
TAGLN23	0.06126765	0.25262821	0.962	1	1	12
RGS13	0.11106546	-0.2598476	0.133	0.481	1	12
IFI44L8	0.11440171	-0.3227716	0.028	0.346	1	12
TLN12	0.21347528	-0.2500056	0.834	0.962	1	12
IFI62	0.34971538	-0.3124317	0.299	0.558	1	12
CD832	0.35446804	-0.2779691	0.455	0.769	1	12
MAFF	0.42970889	-0.2510506	0.028	0.481	1	12
CFD1	0.5393561	-0.262052	0.427	0.673	1	12
TNF5	0.59413115	-0.3200648	0.076	0.558	1	12
IFI273	0.62632906	-0.9117233	0.005	0.212	1	12
ENHO	0.65206271	0.31955369	0.483	0.846	1	12
MTRNR2L122	0.74391092	0.28743197	1	1	1	12
MT2A7	0.77866119	-0.6318644	0.464	0.615	1	12
TIPARP3	0.94519987	-0.2976637	0.133	0.538	1	12
AREG3	0.94834175	-0.3382744	0.076	0.519	1	12
MINDY4	6.30E-14	-0.2672557	0	0.982	1.26E-10	13
PLXNB2	1.60E-13	-0.3130329	0	0.956	3.19E-10	13
TCF41	1.68E-13	-0.3119241	0	0.965	3.36E-10	13
NKG74	2.13E-13	1.68999672	0.125	0.026	4.25E-10	13
FGR2	1.44E-12	-0.3944978	0.042	1	2.88E-09	13
CD8B3	1.69E-12	0.3628714	0.042	1	3.39E-09	13
TRBV4-24	2.65E-12	0.59337463	0.042	0.991	5.30E-09	13
CKS2	4.27E-12	0.32277215	0.042	0.991	8.53E-09	13
DYTN	9.13E-12	-0.2522504	0.042	0.965	1.83E-08	13
AR	9.13E-12	-0.3528971	0.042	0.965	1.83E-08	13
LINC024321	9.49E-12	-0.289957	0.042	0.965	1.90E-08	13
CD833	1.06E-11	0.30918797	0.042	0.982	2.11E-08	13
SULT1A11	1.42E-11	-0.4004125	0	0.939	2.84E-08	13
P2RY1	1.91E-11	-0.6353044	0.042	0.965	3.82E-08	13
IDH23	5.92E-11	0.3398858	0.167	0.088	1.18E-07	13
ATP1B1	6.98E-11	-0.7953349	0.042	0.947	1.40E-07	13
TENT5C	7.68E-11	0.54221483	0.125	0.079	1.54E-07	13
SLC25A391	1.11E-10	0.41402742	0.125	0.088	2.21E-07	13
ETS2	1.16E-10	-0.385079	0.042	0.956	2.33E-07	13
KLRB14	1.42E-10	0.6256226	0.083	1	2.84E-07	13
KLRD14	1.42E-10	0.61340716	0.083	1	2.84E-07	13
FCGR3A3	1.42E-10	0.43709678	0.083	1	2.84E-07	13
CD300A	1.42E-10	0.43606466	0.083	1	2.84E-07	13
KLRF11	2.10E-10	0.27541261	0.083	0.991	4.20E-07	13
HERPUD13	2.25E-10	0.47602251	0.167	0.105	4.50E-07	13
NUCB22	2.51E-10	0.25933592	0.167	0.096	5.02E-07	13
FAM30A1	2.74E-10	-0.4003928	0.042	0.939	5.48E-07	13
MYOM22	3.10E-10	0.33343309	0.083	0.982	6.19E-07	13
PRF12	3.17E-10	0.64216426	0.083	0.991	6.35E-07	13
HACD3	3.17E-10	0.43418861	0.083	0.991	6.35E-07	13
HOPX3	3.17E-10	0.26033412	0.083	0.991	6.35E-07	13
GNLY6	3.71E-10	2.25827784	0.125	0.105	7.42E-07	13
RPS27L1	3.97E-10	0.38454426	0.292	0.105	7.95E-07	13
MEIS1	4.02E-10	-0.5660577	0.083	0.965	8.04E-07	13
LAPTM4B	4.14E-10	-0.4193925	0.083	0.974	8.27E-07	13
LTA4H1	4.24E-10	-0.3279964	0.083	0.982	8.48E-07	13
PAD14	4.32E-10	0.45263851	0.25	0.096	8.65E-07	13
HLA-DPB14	4.48E-10	0.55363567	0.167	0.105	8.97E-07	13
XL23	4.55E-10	0.31009953	0.083	0.974	9.09E-07	13
CLIC32	4.67E-10	0.71701257	0.083	0.982	9.33E-07	13
SKA2	5.13E-10	-0.2661321	0	0.904	1.03E-06	13
CYBSD22	6.29E-10	0.34749907	0.083	0.982	1.26E-06	13
CD160	6.64E-10	0.32601033	0.083	0.965	1.33E-06	13
LYAR	6.75E-10	0.45138584	0.083	0.982	1.35E-06	13
LGMN	8.65E-10	-0.6923815	0.083	0.974	1.73E-06	13
CACYBP1	8.87E-10	-0.2749999	0.042	0.105	1.77E-06	13
ADAMTS1	9.67E-10	0.28140246	0.083	0.956	1.93E-06	13

DCAF12	1.04E-09	0.26887382	0.125	0.114	2.09E-06	13
PEA15	1.20E-09	-0.6170647	0	0.105	2.41E-06	13
VIM3	1.48E-09	0.36885252	0.333	0.123	2.97E-06	13
GZMA4	1.79E-09	0.43521259	0.042	0.114	3.58E-06	13
EPST113	2.47E-09	-0.4070519	0.083	0.114	4.94E-06	13
APOBEC3A1	4.57E-09	0.28282701	0.083	0.947	9.14E-06	13
MCM6	6.27E-09	-0.3127245	0	0.123	1.25E-05	13
PSMB21	6.27E-09	-0.3400341	0	0.123	1.25E-05	13
SLC11A1	6.40E-09	-0.4917044	0.042	0.904	1.28E-05	13
SELL3	6.68E-09	0.29368188	0.125	1	1.34E-05	13
CCR72	6.91E-09	0.28213391	0.125	1	1.38E-05	13
MSRB3	7.83E-09	-0.3580169	0.125	0.114	1.57E-05	13
SAMD32	7.90E-09	0.30717789	0.125	1	1.58E-05	13
PTGDR2	1.32E-08	0.39677285	0.125	0.982	2.63E-05	13
PTGER2	1.37E-08	0.27641222	0.083	0.947	2.75E-05	13
IFI44L9	1.39E-08	-0.299742	0	0.132	2.78E-05	13
LEFT2	1.43E-08	0.27838485	0.125	0.991	2.87E-05	13
PBX1	1.50E-08	0.58326332	0.333	0.158	3.01E-05	13
DCTPP1	1.88E-08	0.25949898	0.125	0.982	3.75E-05	13
H2AFV	2.30E-08	0.48738829	0.208	0.167	4.59E-05	13
TNFRSF1B	2.66E-08	0.32639778	0.125	0.982	5.32E-05	13
CCT6A	3.67E-08	-0.3814238	0.125	0.974	7.33E-05	13
C1orf74	4.09E-08	0.25931091	0.083	0.93	8.19E-05	13
ANKRD281	4.47E-08	0.27290416	0.167	0.158	8.94E-05	13
PDZK11P1	4.99E-08	0.63778548	0.458	0.175	9.98E-05	13
PTAFR	5.84E-08	-0.4278505	0.125	0.956	0.00011676	13
SYNGR2	5.90E-08	0.32682325	0.125	0.974	0.00011802	13
CHMP1B1	5.90E-08	0.32033206	0.125	0.974	0.00011802	13
CCT51	6.09E-08	0.2614959	0.125	0.974	0.00012179	13
SPDYC	6.28E-08	-0.7349699	0.125	0.956	0.00012568	13
LYST2	6.53E-08	-0.3136121	0.167	0.158	0.00013064	13
CTNNA1	9.05E-08	-0.7978602	0.042	0.149	0.00018099	13
CRTAP2	1.04E-07	-0.5513697	0.167	1	0.00020844	13
PGAM1	1.13E-07	0.85238471	0.292	0.193	0.00022555	13
MYC2	1.14E-07	0.40118891	0.125	0.965	0.00022707	13
FDP5	1.25E-07	-0.3217641	0.125	0.956	0.00024905	13
LGALS13	1.50E-07	-0.4959208	0.125	0.167	0.00029934	13
BANK11	1.81E-07	0.29303855	0.167	1	0.00036184	13
PDIA4	1.84E-07	0.41044219	0.083	0.175	0.00036773	13
S100A12	1.98E-07	-0.3863115	0.083	0.886	0.00039555	13
ABLIM3	2.03E-07	0.58785493	0.458	0.202	0.00040618	13
PKIG	2.19E-07	-0.2733136	0.167	0.974	0.00043743	13
MYEOV	2.25E-07	0.28421699	0.125	0.904	0.00044911	13
CKLF	2.27E-07	0.27382933	0.083	0.912	0.00045447	13
TCF73	2.76E-07	0.39673488	0.167	1	0.00055187	13
CASP11	2.93E-07	0.37893349	0.167	1	0.00058588	13
PROS1	2.93E-07	0.63836943	0.458	0.211	0.00058602	13
GATA2	3.61E-07	-0.4144498	0.167	0.965	0.00072151	13
DAAM11	3.74E-07	-0.3315272	0.208	0.184	0.00074767	13
SOCS2	3.85E-07	-0.28295	0	0.149	0.00076965	13
IGFBP21	4.02E-07	-0.6524127	0	0.167	0.00080489	13
LYZ3	4.54E-07	0.66098749	0.125	0.193	0.00090819	13
ANXA21	4.71E-07	0.64030463	0.167	0.991	0.00094124	13
FCMR3	4.85E-07	0.37887737	0.167	0.991	0.0009693	13
CCT3	4.99E-07	0.36895228	0.167	0.991	0.00099816	13
FBL1	4.99E-07	0.31224479	0.167	0.991	0.00099816	13
ATPSMC3	5.14E-07	0.37212833	0.167	0.202	0.00102784	13
AL157895.1	5.50E-07	-0.2884215	0.167	0.965	0.00109914	13
SMIM1	5.55E-07	-0.5397085	0	0.158	0.00111	13
CORO1A2	6.62E-07	0.41350573	0.333	0.228	0.00132302	13
AC074327.1	7.16E-07	-0.499799	0.083	0.167	0.00143204	13
AC007952.42	8.66E-07	0.30854834	0.167	0.982	0.00173286	13
MTIX1	9.00E-07	-0.6862746	0.042	0.184	0.00179909	13
PA2G42	1.01E-06	0.51782263	0.208	0.228	0.00201075	13
PIM21	1.44E-06	0.25042087	0.125	0.211	0.0028759	13
CD2	1.58E-06	0.3679308	0.125	0.211	0.00315362	13
PRDX12	1.62E-06	0.26659592	0.167	0.974	0.00323717	13
FRMD4B	1.67E-06	-1.3228152	0.208	1	0.0033466	13
ZFP361	1.71E-06	0.27629974	0.167	0.965	0.00342389	13
AIF12	2.02E-06	0.34608187	0.167	0.965	0.00404822	13
ATP2B1-AS14	2.25E-06	0.3180485	0.125	0.921	0.00449845	13
MYDGF1	2.82E-06	0.38957689	0.167	0.965	0.00564056	13
HIST1H2AE	2.85E-06	-0.3618995	0.083	0.202	0.00569321	13
CXCL16	2.91E-06	-0.4037027	0.208	1	0.00582633	13
CDK62	4.37E-06	-0.2739693	0	0.202	0.00874015	13
PEAR1	4.43E-06	-0.4127099	0.208	0.956	0.00885891	13
GATA1	5.17E-06	-0.6155642	0.208	0.939	0.01034229	13
DECR1	5.29E-06	0.47772648	0.208	0.254	0.01057182	13
HSPA81	5.88E-06	0.61339393	0.208	1	0.01176274	13
BMP6	5.91E-06	-0.316303	0.208	0.965	0.01182075	13
PSME22	6.20E-06	0.33934543	0.208	1	0.01240534	13
TRBC22	6.72E-06	0.66522815	0.208	1	0.01343259	13
FHL2	6.78E-06	-0.2754188	0.083	0.202	0.01356249	13
MDK	6.98E-06	-0.4084954	0.042	0.211	0.01395351	13
C1orf211	7.12E-06	0.30078683	0.125	0.895	0.01423405	13
AL138963.38	8.29E-06	0.43796267	0.208	0.991	0.01658498	13
SAMD14	8.67E-06	-0.7479519	0.125	0.202	0.01733024	13
IL7R6	8.74E-06	0.42981266	0.208	0.991	0.0174772	13
FGFBP24	1.01E-05	0.39229141	0.125	0.886	0.02015095	13
NDUFAB12	1.05E-05	0.35905663	0.208	0.991	0.02097515	13
SHMT2	1.08E-05	0.28745581	0.208	0.991	0.0215264	13
PRDX22	1.13E-05	0.27256605	0.208	0.991	0.02267067	13
TSPAN9	1.17E-05	0.30048198	0.292	0.272	0.02343862	13
NR4A23	1.71E-05	0.27972205	0.208	0.982	0.03415941	13
TRBC13	1.75E-05	0.51887422	0.208	0.982	0.03503695	13
VWF	2.12E-05	0.317818	0.208	0.956	0.0423329	13
GPI1	2.80E-05	-0.252712	0.125	0.246	0.0559317	13
PGD1	3.17E-05	0.37757388	0.542	0.307	0.06347353	13

HIST1H1E1	3.35E-05	0.25152644	0.208	0.965	0.06703825	13
YWHAQ3	3.93E-05	0.55221871	0.375	0.307	0.07856449	13
CTSWS5	4.31E-05	0.44905858	0.292	0.281	0.08613531	13
TNFSF4	4.88E-05	-0.4379975	0.25	0.965	0.09769333	13
PLEK2	5.04E-05	0.75486983	0.583	0.412	0.10086103	13
CTDSPL	5.40E-05	-0.2871958	0.25	0.965	0.10805027	13
IFI27L1	5.61E-05	-0.2896653	0.042	0.246	0.11227996	13
SLBP	6.46E-05	-0.331875	0.25	0.965	0.12912038	13
CTTN	7.17E-05	0.47050827	0.5	0.342	0.14334574	13
CD822	8.20E-05	-0.5335341	0.292	0.991	0.16393932	13
PARD3	8.40E-05	-0.5020086	0.208	0.904	0.16795257	13
MEF2C1	8.67E-05	0.41223193	0.25	0.298	0.17349479	13
LCK2	9.19E-05	0.3666788	0.25	1	0.18372373	13
TBXA2R	9.51E-05	-0.741032	0.292	0.974	0.19024816	13
AP001189.3	9.89E-05	0.41811059	0.25	0.289	0.19774086	13
GNG8	0.00010012	-0.7144949	0	0.123	0.20023491	13
NOSIP4	0.00012689	0.31375376	0.25	0.991	0.2537879	13
TRBV7-4	0.00013242	0.47801104	0.25	0.991	0.264843	13
PPIA1	0.00013794	0.60097605	0.625	0.404	0.27587361	13
TUBB2A1	0.00014608	-0.2795878	0.042	0.263	0.29216955	13
GP6	0.00016187	0.50321416	0.333	0.316	0.32374568	13
MT-ND4L1	0.0001979	0.66231581	0.708	0.447	0.39580618	13
RAB27B	0.00021013	0.46288628	0.417	0.342	0.42026283	13
E2F1	0.00022078	-0.6594434	0.083	0.228	0.44156885	13
ASAP1	0.00024319	-0.4025865	0.25	0.947	0.48637614	13
LCN2	0.00028086	-0.2801002	0.208	0.281	0.56172945	13
NEAT14	0.00028346	-0.4116143	0.25	0.947	0.56692058	13
HIST1H2AMI	0.00030534	-0.6401899	0	0.202	0.61067006	13
KLHD8B	0.00033047	-1.2410537	0	0.237	0.66094929	13
FSTL1	0.00033771	-0.310101	0.083	0.246	0.67542075	13
CD3D6	0.00036639	0.55649477	0.208	0.921	0.73277939	13
FHL1	0.0003793	0.31829472	0.5	0.351	0.75859944	13
AC123912.4	0.00038827	-0.8659214	0.292	0.965	0.77654099	13
VDAC1	0.00058437	0.46302479	0.25	0.965	1	13
UBE2J11	0.00060912	0.34482731	0.25	0.316	1	13
DAB2	0.00079853	-1.2422314	0.417	0.982	1	13
ALOX5A1	0.00082828	0.50155079	0.25	0.956	1	13
MAP1A1	0.00092137	-0.7282278	0.375	0.991	1	13
MMD	0.00094647	-1.4635976	0.708	0.982	1	13
HSPA55	0.00095383	0.4764226	0.25	0.947	1	13
HIF0	0.00102831	-0.3261844	0.167	0.316	1	13
TYROBP1	0.00135578	0.40823609	0.167	0.342	1	13
HSP90B14	0.00136468	0.37333425	0.292	0.991	1	13
ZFP36L24	0.00141892	0.76222352	0.292	0.991	1	13
CD75	0.00141892	0.68478975	0.292	0.991	1	13
FKBP22	0.00143364	0.27468022	0.125	0.807	1	13
TNS1	0.00188621	0.36684533	0.292	0.982	1	13
LTB4	0.00200083	0.4677405	0.25	0.921	1	13
CTSS1	0.00210327	0.29941355	0.125	0.798	1	13
FAM110A	0.00220924	-0.6706041	0.375	0.991	1	13
CD272	0.00226763	0.58459476	0.125	0.798	1	13
HNRNPA2B13	0.00248092	0.37019433	0.542	0.447	1	13
STXB2P1	0.00256784	-0.7325188	0.417	0.982	1	13
AP001189.1	0.00262828	0.40565623	0.833	0.921	1	13
PYGL1	0.00269913	0.29685952	0.208	0.342	1	13
ELOVL7	0.00336081	-0.2808598	0.333	0.956	1	13
SH3BGR2	0.00357396	0.36030234	0.583	0.421	1	13
PNP1	0.00368398	-0.3921018	0.292	0.333	1	13
PDGFA	0.00368398	-0.7230441	0.375	0.974	1	13
VDAC32	0.00371124	0.29908167	0.625	0.43	1	13
CTSA1	0.00378308	-0.610895	0.917	0.982	1	13
MT-ATP82	0.00391847	0.50827894	0.708	0.605	1	13
PTMS1	0.00397808	-0.2748531	0.042	0.325	1	13
TUBB4B1	0.00450792	0.81061153	0.542	0.482	1	13
MINDY1	0.00480704	-0.4167626	0.292	0.36	1	13
FOS5	0.00488444	-0.304639	0.25	0.877	1	13
HMGA11	0.00509334	-1.1629252	0.042	0.325	1	13
LGALS121	0.00512859	0.41103683	0.333	0.965	1	13
PRKCD	0.00690908	0.3858139	0.333	0.982	1	13
ITM2A	0.00692578	0.40761275	0.208	0.395	1	13
NPM12	0.00739067	0.59463699	0.333	0.991	1	13
LYN1	0.0075239	-0.3908298	0.375	1	1	13
DMTN1	0.00793493	0.56507284	0.542	0.561	1	13
EHD3	0.00800176	-0.2991628	0.292	0.368	1	13
BEND2	0.00813605	0.2923067	0.333	0.965	1	13
TMEM109	0.00827236	0.30088945	0.208	0.842	1	13
SNCA	0.00892041	0.3345585	0.667	0.509	1	13
ZNF185	0.00905228	-0.7822645	0.5	0.974	1	13
FERMT31	0.00937559	0.56974308	0.792	0.825	1	13
NFE2	0.0107905	0.31633074	0.417	0.456	1	13
IL327	0.01114346	1.34053564	0.333	0.991	1	13
AP2S11	0.01232663	0.4075329	0.708	0.526	1	13
CTT81	0.01384366	0.25401758	0.167	0.789	1	13
RGCC2	0.01481057	0.85118316	0.333	0.982	1	13
LMNA4	0.01485556	0.28186167	0.5	0.518	1	13
SELP	0.01526154	0.48599415	0.333	0.447	1	13
TNNC2	0.01673962	-0.6018809	0.417	0.974	1	13
PPBP4	0.01710093	0.38132388	1	0.991	1	13
AL954642.1	0.01935055	0.79075688	0.25	0.439	1	13
MYLK	0.0199463	0.28598103	0.458	0.465	1	13
MPP11	0.0211117	0.5125199	0.75	0.763	1	13
ALOX12	0.02317386	-0.7902319	0.542	0.965	1	13
RHOC2	0.02566968	-0.5644218	0.125	0.386	1	13
TIMP12	0.02707705	-0.4438523	0.875	0.947	1	13
C2orf88	0.03028389	-0.4552088	0.542	0.982	1	13
TMEM106C	0.03200412	0.33422142	0.375	1	1	13
2-Jun	0.03432314	0.75270154	0.375	1	1	13
COROIC	0.0375742	-0.342401	0.458	0.982	1	13



SMOX	0.03888335	-0.9039523	0.5	0.851	1	13
NEXN	0.03980288	-0.4313923	0.333	0.439	1	13
GLUL1	0.04093976	-0.4610663	0.25	0.789	1	13
GSTP11	0.04103426	0.53540035	0.375	0.982	1	13
ILK2	0.0411591	0.35009155	0.792	0.64	1	13
ACTN13	0.04116141	-0.9718449	0.833	1	1	13
TAL1	0.04128531	0.41433949	0.375	0.965	1	13
HIST1H1C2	0.04163937	-0.328047	0.458	0.439	1	13
LAT4	0.04167296	-0.4118005	0.542	0.991	1	13
FTL	0.04286477	-0.3311216	1	1	1	13
TNFSF13B	0.04360434	-0.3440488	0.083	0.395	1	13
SLC25A371	0.04781062	-0.2570905	0.042	0.386	1	13
ENDOD1	0.04891323	-0.8184879	0.542	0.982	1	13
GAPDH1	0.04961884	0.2781045	1	0.816	1	13
P2RX11	0.05619126	-0.308573	0.292	0.43	1	13
CAVIN2	0.06101883	0.31873361	1	0.93	1	13
CENPU	0.06738904	-0.2572769	0	0.167	1	13
SNAP231	0.06746888	-0.7064332	0.708	0.825	1	13
ACTB4	0.07092587	0.27046933	1	0.991	1	13
SAT14	0.07359871	0.29729638	0.958	0.921	1	13
TFPI	0.07745363	-0.4515215	0.167	0.412	1	13
TRBV7-25	0.07765931	-0.2863568	0	0.298	1	13
FRMD3	0.09105484	-0.9025783	0.25	0.456	1	13
GP9	0.09693362	-0.309226	0.917	0.965	1	13
CD743	0.10253953	0.68459093	0.417	0.991	1	13
GRAP22	0.10877194	0.2992572	0.875	0.728	1	13
RPLP01	0.11108766	0.98434527	0.417	1	1	13
PPPIR14A	0.11171915	-0.2875658	0.458	0.991	1	13
TMEM140	0.11358728	0.30123135	0.375	0.544	1	13
ITGB51	0.12410827	-0.3576281	0.458	0.956	1	13
LVL11	0.12814634	-0.5915247	0.208	0.719	1	13
MPIG6B	0.14033815	-0.2611373	0.958	0.956	1	13
AC012507.4	0.14527378	-0.3943346	0.042	0.377	1	13
TRAPPC3L	0.15399673	0.85695022	0.417	0.64	1	13
CST74	0.16897272	-1.1608674	0.167	0.439	1	13
12-Sep	0.18734361	0.37241614	0.292	0.807	1	13
CYTOR1	0.19666037	-0.9881276	0.167	0.447	1	13
RAB37	0.20112745	-0.4683893	0.5	0.86	1	13
PGRMC1	0.20124581	0.3182667	0.708	0.658	1	13
TSPAN13	0.20861968	-0.4442071	0.167	0.675	1	13
STAT16	0.2168801	0.30418134	0.167	0.5	1	13
ARHGAP6	0.22808841	-0.5791315	0.583	0.877	1	13
GRHL1	0.23005435	0.82403229	0.417	0.974	1	13
TMSB101	0.23683822	1.0424479	0.458	1	1	13
TUBA4A1	0.24378247	-0.3495103	0.917	1	1	13
AP003068.2	0.26956253	-0.5713865	0.542	0.807	1	13
STMN11	0.27579833	0.2797041	0.083	0.614	1	13
GSN2	0.28201221	-0.4124792	0.667	0.991	1	13
PRKAR2B	0.28202759	-0.2769926	0.708	1	1	13
H2AFZ1	0.28680646	-0.3892208	0.375	0.579	1	13
CA2	0.30608301	-0.4997477	0.375	0.553	1	13
GUCY1B1	0.32274852	-0.5790126	0.625	0.982	1	13
S100A61	0.33788271	0.65662104	0.375	0.86	1	13
ODC11	0.36134233	-0.3084266	0.875	0.991	1	13
HMGN2	0.36400009	0.34545009	0.375	0.851	1	13
MT-ATP6	0.37630779	-0.7749696	1	1	1	13
RGS18	0.38545577	0.25699207	0.792	0.877	1	13
SUB12	0.39145062	0.37383989	0.458	0.965	1	13
SPINT21	0.39467131	-0.2645271	0.583	0.649	1	13
TPST21	0.42658839	-0.2695207	0.542	0.605	1	13
PDLIM1	0.43656345	-0.2995061	0.792	0.974	1	13
SLC40A11	0.46693027	-0.5609688	0.708	1	1	13
SMIM31	0.47034496	-0.5330347	0.625	0.781	1	13
AL731557.1	0.47556022	-0.7215508	0.708	0.991	1	13
CUX11	0.49081531	-0.4964296	0.208	0.649	1	13
CKB1	0.50061888	-0.4676696	0	0.447	1	13
PKHD1L1	0.5007788	-0.3569611	0.125	0.491	1	13
MGLL	0.52009958	-0.6697688	0.792	1	1	13
GABARAP	0.5723174	-0.3726368	0.583	0.64	1	13
MT-CYB	0.57621754	-0.4188976	1	1	1	13
GUCY1A1	0.58678883	-0.3221012	0.167	0.605	1	13
CANX1	0.59078905	-0.2537762	0.042	0.482	1	13
LINC00989	0.5915974	0.29256282	0.625	0.939	1	13
LIPA1	0.59936524	0.61975048	0.583	0.982	1	13
LGALS3	0.6026099	-0.6034623	0.083	0.5	1	13
IFI63	0.65055798	-1.2963205	0.125	0.482	1	13
NDUFB62	0.65063642	0.28845333	0.167	0.632	1	13
AC147651.1	0.65312541	-0.3839144	0.708	0.991	1	13
LTBP1	0.65704628	0.29183882	0.542	0.939	1	13
ABCC3	0.68791239	-0.5044763	0.708	0.974	1	13
RHOBTB1	0.70173374	-0.8997067	0.125	0.509	1	13
NTSC3A	0.70449415	-0.4059971	0.542	0.781	1	13
STOM	0.70864957	-0.6131351	0.5	0.658	1	13
ESAM	0.71702911	-0.3546846	0.5	0.605	1	13
ENO12	0.72126868	-0.3083794	0.583	0.798	1	13
EGFL7	0.72506467	-0.8255766	0.167	0.588	1	13
MAP3K7CL	0.73820504	-0.7372506	0.833	0.982	1	13
MIR4435-2HG1	0.7508334	-0.2917188	0.417	0.649	1	13
PTGS1	0.7809703	-0.3806178	0.958	0.991	1	13
IFI274	0.78906605	-1.8399345	0	0.518	1	13
SEPT111	0.82418044	-0.847494	0.208	0.561	1	13
CLECB1B	0.89270318	-0.3247146	0.458	0.658	1	13
STX11	0.89494559	0.53970545	0.5	0.868	1	13
DYNLL11	0.8949797	-0.6083507	0.958	0.991	1	13
SOD2	0.89939924	-0.5172298	0.542	0.614	1	13
CST31	0.98879528	-0.2502099	0.792	0.798	1	13
CENPK	3.30E-11	-0.335335	0	1	6.59E-08	14
RAN	3.30E-11	-0.3883082	0	1	6.59E-08	14

HNRNPF	3.30E-11	-0.4275947	0	1	6.59E-08	14
CD76	3.30E-11	-0.5463185	0	1	6.59E-08	14
SLC9A3R13	4.87E-11	-0.3366919	0	0.991	9.74E-08	14
CCT6A1	7.31E-11	-0.2665288	0	0.991	1.46E-07	14
NOSIP5	7.31E-11	-0.3220533	0	0.991	1.46E-07	14
GBP53	1.60E-10	-0.2628878	0	0.982	3.20E-07	14
PSMD81	1.60E-10	-0.5948202	0	0.982	3.20E-07	14
TUBB4B2	1.60E-10	-0.8480301	0	0.982	3.20E-07	14
GRAIP23	1.04E-09	-0.5075476	0	0.946	2.07E-06	14
PGAM11	3.19E-09	-0.4291567	0	0.946	6.37E-06	14
Clorf1621	3.21E-09	-0.5380801	0.059	1	6.42E-06	14
LTB5	4.69E-09	-0.4483678	0.059	1	9.38E-06	14
HLA-DQA21	4.89E-09	0.62601511	0.059	1	9.78E-06	14
FCMR4	4.89E-09	0.53446228	0.059	1	9.78E-06	14
NFE21	4.89E-09	0.4758734	0.059	1	9.78E-06	14
MRPS33	4.89E-09	0.36510561	0.059	1	9.78E-06	14
PRMT12	4.89E-09	0.25871344	0.059	1	9.78E-06	14
PTGER41	6.51E-09	-0.5564735	0	0.938	1.30E-05	14
CNN21	7.12E-09	-0.430324	0.059	0.991	1.42E-05	14
JPT11	9.50E-09	0.34116421	0.059	0.991	1.90E-05	14
PEA151	1.29E-08	0.42451686	0.059	0.973	2.58E-05	14
IMPDH2	1.29E-08	0.33517124	0.059	0.973	2.58E-05	14
HIST1H1C3	1.49E-08	-0.3466715	0.059	0.982	2.98E-05	14
CD3D7	1.77E-08	0.4518669	0.059	0.964	3.54E-05	14
ZNF703	1.77E-08	0.43496476	0.059	0.964	3.54E-05	14
NREP	1.80E-08	0.70473636	0.059	0.973	3.60E-05	14
MRPS26	1.82E-08	0.61023816	0.059	0.982	3.65E-05	14
AC064805.1	2.42E-08	0.64989244	0.059	0.955	4.84E-05	14
MT-CO1	3.43E-08	0.75916568	1	1	6.86E-05	14
PDCD51	3.46E-08	0.47152399	0.059	0.973	6.92E-05	14
RACGAP11	3.46E-08	0.44101499	0.059	0.973	6.92E-05	14
PSMB22	3.57E-08	-0.4576775	0	0.902	7.14E-05	14
CD1C	4.48E-08	0.52354735	0.059	0.938	8.96E-05	14
LAT5	5.10E-08	-0.3879594	0	0.911	0.00010207	14
SLBP1	5.10E-08	-0.5996985	0	0.911	0.00010207	14
WDFY4	6.24E-08	0.29319541	0.059	0.964	0.0001248	14
ADSL	9.87E-08	-0.338815	0	0.902	0.00019734	14
GTSE1	1.10E-07	0.26883799	0.059	0.911	0.00021923	14
DHRS9	1.10E-07	0.26851582	0.059	0.911	0.00021923	14
BCL11A	1.10E-07	0.26326346	0.059	0.911	0.00021923	14
IGHV4.4	1.15E-07	0.44133919	0.059	0.929	0.00022983	14
BANF11	1.20E-07	0.4220463	0.059	0.955	0.00024026	14
ILK3	1.69E-07	-0.3263133	0.059	0.946	0.00033797	14
NFKBID1	1.70E-07	-0.3843377	0.118	1	0.00033958	14
PPA1	1.88E-07	-0.4058181	0	0.893	0.00037635	14
PHTF1	1.88E-07	-0.424103	0	0.893	0.00037635	14
STEAP4	2.01E-07	0.37976156	0.059	0.902	0.00040256	14
MAL1	2.17E-07	0.44434191	0.059	0.938	0.00043462	14
CDKN1C1	2.50E-07	0.30324284	0.059	0.884	0.00050062	14
FCER21	2.60E-07	0.52637984	0.059	0.884	0.00051968	14
CDK63	2.94E-07	0.40098128	0.059	0.938	0.00058877	14
PSMA41	3.32E-07	0.3050683	0.118	1	0.00066416	14
CFD2	3.43E-07	-0.3631674	0.059	0.938	0.00068596	14
ELL23	3.54E-07	-0.3271502	0	0.116	0.00070804	14
ASGR21	3.54E-07	-0.3293712	0	0.116	0.00070804	14
CCT82	3.57E-07	0.43913151	0.118	1	0.00071489	14
SNX10	3.57E-07	0.25102535	0.118	1	0.00071489	14
MGST2	3.65E-07	0.26733781	0.059	0.893	0.00073027	14
FBL2	3.71E-07	0.44814415	0.118	1	0.00074163	14
CYBSD23	3.97E-07	0.34161414	0.059	0.938	0.00079448	14
TUBA4A2	3.99E-07	0.41776175	0.118	1	0.00079804	14
RETN2	4.51E-07	0.48514967	0.118	0.991	0.00090286	14
BATF3	4.54E-07	0.27183315	0.059	0.866	0.00090778	14
MT-CO2	4.55E-07	0.71725307	1	1	0.0009091	14
C15orf89	4.62E-07	0.57124488	0.118	0.134	0.00092355	14
MT-CO3	5.45E-07	0.57788258	1	1	0.00109	14
BST1	6.17E-07	0.29238234	0.118	0.991	0.00123409	14
RHOC3	6.57E-07	0.42133228	0.118	0.982	0.00131407	14
TOR3A1	6.57E-07	-0.344671	0	0.125	0.00131407	14
ANXA62	6.57E-07	-0.5794258	0	0.875	0.00131407	14
IL328	6.87E-07	0.54874022	0.118	0.991	0.00137473	14
DNMT12	6.98E-07	-0.4055042	0.059	0.911	0.00139569	14
FBP1	7.09E-07	0.30403746	0.059	0.929	0.00141886	14
CIITA	7.49E-07	0.26840684	0.118	0.982	0.00149721	14
XBP1	7.65E-07	-0.5650712	0.118	0.973	0.00153075	14
SEC11C	8.82E-07	0.5682569	0.059	0.884	0.00176441	14
MIF2	9.82E-07	0.25652074	0.118	0.982	0.00196394	14
AC245014.32	9.82E-07	-0.4572308	0.118	0.973	0.00196394	14
NOPS61	1.02E-06	0.34383014	0.118	0.982	0.00203474	14
HIST1H1E2	1.13E-06	-0.3850229	0.118	0.973	0.00226216	14
GRASP3	1.20E-06	-0.6130635	0	0.134	0.00240594	14
PDE4B	1.20E-06	-0.8111219	0	0.866	0.00240594	14
TRBV181	1.33E-06	0.47884395	0.059	0.83	0.00265707	14
TPPP3	1.38E-06	0.44526994	0.118	0.955	0.00276854	14
ABCC31	1.48E-06	0.59543614	0.118	0.955	0.0029691	14
ADM2	1.57E-06	-0.6337233	0	0.116	0.00313668	14
UTY2	1.61E-06	-0.5818113	0	0.134	0.00322241	14
MARCKS1	1.61E-06	-0.8746615	0	0.134	0.00322241	14
SIGLEC10	1.83E-06	0.26689331	0.118	0.964	0.00365721	14
SEPT112	1.87E-06	0.67635918	0.118	0.955	0.00374552	14
PSMA5	1.94E-06	0.65958097	0.118	0.955	0.00387728	14
SEC61B1	1.98E-06	-0.522939	0.118	0.955	0.00395223	14
NOLC1	2.17E-06	-0.2578014	0	0.857	0.00434572	14
IGLV2-231	2.23E-06	0.4552161	0.059	0.812	0.00445391	14
PRC1	2.82E-06	-0.2682295	0	0.83	0.00563588	14
UGCG	2.88E-06	0.418865	0.118	0.964	0.00575991	14
FKBP23	2.88E-06	0.30240096	0.118	0.964	0.00575991	14
EIF4A3	3.18E-06	-0.2933769	0.059	0.902	0.00635257	14

LILRB41	4.73E-06	0.35426831	0.118	0.946	0.00946469	14
THBD	5.06E-06	-0.7312046	0	0.143	0.01012526	14
AC103591.37	5.12E-06	-0.5253614	0	0.152	0.01023721	14
TP11	5.43E-06	-0.4630443	0.059	0.893	0.01085392	14
ANP32E1	5.45E-06	0.62305853	0.118	0.955	0.01089338	14
LSM4	6.14E-06	0.33729827	0.059	0.884	0.01227947	14
PRDX13	6.81E-06	-0.3640699	0	0.839	0.01361386	14
GPR1831	6.81E-06	-0.3838088	0	0.839	0.01361386	14
CSTA1	6.81E-06	-0.4399769	0	0.161	0.01361386	14
S100A121	6.81E-06	-0.7178758	0	0.161	0.01361386	14
NINJ11	6.88E-06	-0.562107	0.118	0.911	0.01376887	14
CD79B1	8.08E-06	0.32259222	0.118	0.946	0.01615014	14
PILRA	8.34E-06	-0.4804859	0.176	0.982	0.01668383	14
EMILIN21	9.55E-06	-0.6709033	0.059	0.839	0.01910473	14
CYC1	1.18E-05	-0.2855997	0	0.17	0.02361257	14
MIR181A1HG	1.18E-05	-0.5786101	0	0.17	0.02361257	14
MGLL1	1.43E-05	-0.4919865	0	0.125	0.0286047	14
ID11	1.43E-05	-0.5799257	0	0.125	0.0286047	14
CHST15	1.49E-05	0.42105443	0.176	1	0.02980155	14
LILRA51	1.52E-05	-0.2658653	0.118	0.92	0.03045542	14
CREG1	1.53E-05	-0.3788261	0	0.161	0.03050662	14
CRTAP3	1.53E-05	0.37017795	0.176	0.991	0.03067034	14
ASGR11	1.59E-05	0.50346401	0.176	1	0.03174539	14
HLA-DQB12	1.74E-05	0.890639	0.176	1	0.03488928	14
CCT31	1.74E-05	0.77750083	0.176	1	0.03488928	14
PPT1	1.79E-05	0.42590792	0.176	0.991	0.03589962	14
MSLN1	1.80E-05	0.89174347	0.176	1	0.03600162	14
SLC7A71	1.81E-05	-0.4504228	0	0.116	0.03612395	14
TXNDC111	2.02E-05	-0.362921	0	0.179	0.04040672	14
MX14	2.02E-05	-0.6359621	0	0.821	0.04040672	14
ATP5F1A1	2.02E-05	-0.6709061	0	0.179	0.04040672	14
GPBAR1	2.23E-05	0.82659224	0.176	0.991	0.04466437	14
EBNA1BP21	2.29E-05	0.45067968	0.059	0.866	0.04576156	14
CD931	2.31E-05	0.49509797	0.176	0.991	0.04619928	14
FRMD4B1	2.44E-05	0.28843709	0.118	0.902	0.04878225	14
CLU2	2.59E-05	-0.705096	0	0.17	0.05189198	14
HLA-DQA12	2.76E-05	0.61323501	0.176	0.982	0.0552707	14
LTBR	3.03E-05	0.2959893	0.176	0.973	0.0605955	14
CD79A2	3.21E-05	0.49831171	0.059	0.723	0.06417215	14
MTIX2	3.31E-05	-0.3748453	0	0.161	0.06615931	14
MYOF	3.32E-05	0.5030167	0.176	0.973	0.06640552	14
CAPG1	3.54E-05	0.38470603	0.176	0.973	0.07078267	14
SNRPD32	3.77E-05	0.46002814	0.176	0.982	0.07540293	14
HBEFG	4.35E-05	-0.6154091	0	0.179	0.08708883	14
CLEC4A	4.74E-05	-0.4469681	0	0.661	0.09484545	14
HERPUD14	5.56E-05	-0.697696	0.176	0.946	0.11128916	14
SRP9	5.68E-05	-0.4839272	0	0.804	0.11364839	14
ADA	6.61E-05	-0.4602216	0.059	0.848	0.13214046	14
RHOB3	6.80E-05	-0.2608765	0.059	0.848	0.13607771	14
CHMP1B2	7.05E-05	-0.5358492	0	0.17	0.14096906	14
ABRACL3	7.47E-05	0.36518279	0.176	0.964	0.14934467	14
CUX12	7.93E-05	-0.2708225	0.235	1	0.15863797	14
ODF3B1	8.89E-05	-0.3011042	0.176	0.946	0.17777378	14
PIK3AP11	9.34E-05	-0.392354	0	0.205	0.18680423	14
CD1D	9.86E-05	-0.3049058	0.059	0.205	0.19719726	14
GADD45B3	9.95E-05	-0.5388655	0.118	0.884	0.19901898	14
CLEC4E	0.0001098	-0.3184957	0	0.152	0.21959421	14
APOBEC3A2	0.00014126	-0.8462704	0	0.161	0.28251878	14
MTRNR2L81	0.00014133	0.16877317	0.471	0.312	0.28266784	14
MT-CYB1	0.0001417	0.43025234	1	0.991	0.28339784	14
TTC381	0.00014539	-0.3103328	0	0.554	0.29077797	14
SNRPG1	0.00015149	-0.3084445	0	0.786	0.30297471	14
SPCS3	0.00015149	-0.5519125	0	0.214	0.30297471	14
IRF7	0.00015149	-0.7275432	0	0.214	0.30297471	14
G0S22	0.00015149	-1.0089415	0	0.214	0.30297471	14
PAK1	0.00015265	-0.2502378	0.059	0.196	0.3053019	14
PLBD11	0.00016418	-0.6412253	0.059	0.188	0.32836107	14
RRBP1	0.00017552	0.33100296	0.176	0.25	0.35104404	14
CDA	0.00018872	0.28841657	0.059	0.821	0.37744566	14
CCR1	0.00019033	0.37593803	0.118	0.884	0.38066433	14
LIMS12	0.00019075	-0.5174427	0.176	0.92	0.3814939	14
IFI275	0.00019439	-1.1445462	0	0.116	0.38877802	14
METTL7A	0.00019875	0.53936039	0.118	0.866	0.39750059	14
3-Jun	0.00020228	-0.7126484	0.294	1	0.40455861	14
IER32	0.00021791	-0.5856678	0.059	0.223	0.43581977	14
CD300E	0.00021891	-0.4698667	0.176	0.911	0.43782227	14
KYNU	0.00022884	-0.2864307	0.059	0.223	0.45768086	14
HSP90B15	0.00024244	-1.3267773	0	0.777	0.48488233	14
HSPA82	0.00026543	0.35439583	0.235	1	0.53085754	14
LGALS31	0.00027911	-0.7135367	0.118	0.857	0.55821173	14
EFHD23	0.00028607	-0.7179066	0.059	0.232	0.57213703	14
MT-ND4L2	0.00028991	0.70569951	1	1	0.57982581	14
AC015912.31	0.00029458	-0.4088405	0.118	0.241	0.58915627	14
HLA-DMA2	0.00031204	0.54226303	0.235	1	0.62407428	14
SGK13	0.00031856	-0.2845998	0.059	0.241	0.63711582	14
SVK2	0.0003292	-0.2978737	0.235	0.964	0.65840977	14
SPN1	0.00034725	0.4299972	0.235	1	0.6945069	14
CYP27A1	0.00038054	-0.3274875	0	0.223	0.76107774	14
DDX39A	0.00038288	-0.9315731	0	0.232	0.76575809	14
HIFX4	0.00038288	-1.1388573	0	0.232	0.76575809	14
MT-ATP61	0.00038882	0.49159511	1	0.973	0.77763644	14
NAPSA	0.00039651	0.9172836	0.235	1	0.79301039	14
TNFSF102	0.00042911	1.09284554	0.235	1	0.85822562	14
MARCKSL11	0.00044959	0.55938923	0.059	0.25	0.8991879	14
PSMB92	0.00045222	0.57649281	0.235	1	0.90444833	14
ID22	0.00050019	-0.4579394	0.118	0.25	1	14
HLA-DPB15	0.00050197	0.80956322	0.235	0.991	1	14
ZFP36L25	0.00050268	-0.33424	0.294	1	1	14

FCGR3A4	0.00051336	0.65329964	0.235	0.982	1	14
CTSB	0.00055588	-0.2501384	0.176	0.259	1	14
IFI44L10	0.00057803	-0.9215039	0	0.205	1	14
TRIB1	0.00058295	-0.4061337	0.059	0.25	1	14
TXN	0.00058907	-0.4399524	0	0.223	1	14
CXCL83	0.0005967	-1.0697408	0	0.241	1	14
IFITM23	0.00063097	-0.3187138	0.118	0.259	1	14
IDH24	0.00067978	0.53998494	0.059	0.259	1	14
NPC21	0.00070897	0.26409161	0.235	0.955	1	14
GNAI2	0.00071524	-0.2923659	0.059	0.259	1	14
FKBP111	0.00072914	-0.3338349	0	0.732	1	14
HIF01	0.00073471	-0.352412	0	0.232	1	14
NCF11	0.00073859	-0.5714785	0.294	0.964	1	14
NR4A24	0.00079441	-0.4827621	0.176	0.884	1	14
SULF2	0.00081591	0.64449371	0.235	0.973	1	14
LILRB11	0.00083666	0.39821945	0.235	0.964	1	14
PIPF	0.00085602	-1.1316979	0	0.188	1	14
ANPEP	0.00089081	-0.7205058	0	0.214	1	14
SYNGR21	0.0009005	-0.5968488	0.176	0.884	1	14
BZW2	0.00090674	-0.3780563	0	0.732	1	14
CD141	0.00092965	-0.3428085	0.059	0.241	1	14
Z93241.14	0.00099101	0.28232286	0.059	0.795	1	14
MAP3K7CL1	0.00101586	0.38472508	0.059	0.795	1	14
CD823	0.00112319	-1.0063419	0	0.241	1	14
KCNK6	0.0012642	0.25180516	0.118	0.83	1	14
SOD21	0.00128874	-0.8792917	0.059	0.25	1	14
FES1	0.00135646	-0.4765066	0.059	0.259	1	14
UBE2J12	0.00136258	-0.2629409	0.059	0.268	1	14
TALDO1	0.00139298	-0.9073028	0	0.259	1	14
LMNA5	0.00139298	-1.4619418	0	0.259	1	14
CD1632	0.0016543	-1.0291502	0	0.223	1	14
PSME23	0.00165681	0.91675678	0.176	0.893	1	14
BOP1	0.00170382	-0.3413628	0	0.259	1	14
SMIM25	0.00175822	0.7973762	0.235	0.946	1	14
HLA-DPA13	0.00191235	0.43146348	0.235	0.946	1	14
CEBPD	0.00203847	-0.6328022	0.059	0.268	1	14
BID1	0.00208676	-0.7761154	0	0.268	1	14
MAFF1	0.00208676	-1.0013882	0	0.268	1	14
PPBP5	0.00218518	-0.8393736	0	0.116	1	14
ISG153	0.00218649	-0.4743308	0.059	0.768	1	14
MT2A8	0.00221641	-1.1693759	0.118	0.277	1	14
AC020916.11	0.00244662	-0.5088563	0	0.143	1	14
ABCA1	0.00252339	-0.6346704	0	0.259	1	14
CPPED11	0.00270508	0.48494484	0.176	0.875	1	14
CCT21	0.0027676	0.47154152	0.176	0.875	1	14
ADA21	0.0029668	0.4576643	0.235	0.938	1	14
FGL2	0.00296994	0.56942344	0.294	1	1	14
MEF2C2	0.0032435	0.69231716	0.176	0.875	1	14
NAGK	0.0032508	0.49909064	0.294	1	1	14
BHLHE402	0.00338249	-0.4426109	0.059	0.295	1	14
SMIM14	0.00368871	0.47526289	0.059	0.259	1	14
STX111	0.00370317	-0.3380349	0.059	0.259	1	14
CASP12	0.00415237	0.48002075	0.294	0.991	1	14
CPVL1	0.00423001	0.3284015	0.176	0.857	1	14
MS4A7	0.00433456	0.57048972	0.235	0.92	1	14
DUSP22	0.00450298	-1.1780639	0	0.714	1	14
CYBB	0.00494855	-0.5131684	0.353	0.982	1	14
PHACTR12	0.00584382	-0.6576999	0.059	0.304	1	14
MTHFD21	0.00603334	0.37154678	0.118	0.795	1	14
EPSTI14	0.00648706	-0.4217284	0	0.295	1	14
HMGAI2	0.00648706	-0.4887851	0	0.295	1	14
IRAK3	0.00649725	-0.2932202	0.059	0.312	1	14
TNF6	0.00677663	-0.3143551	0	0.134	1	14
CDH23	0.00695119	0.76395697	0.294	0.991	1	14
PIHF19	0.00786973	-0.2634924	0	0.179	1	14
HRH2	0.00820662	0.28975539	0.294	0.955	1	14
RNF1301	0.00833794	-0.4469959	0.059	0.696	1	14
AC023157.3	0.00836094	-0.2902924	0	0.42	1	14
P2RY131	0.00960993	-0.4163221	0	0.438	1	14
COTL12	0.01112555	0.53055639	0.353	0.438	1	14
IL1B1	0.01182752	-1.6595556	0	0.214	1	14
NFKBIA3	0.01298457	-0.9106765	0.118	0.75	1	14
CTSA2	0.01301789	-0.7665108	0.059	0.286	1	14
FOSB4	0.01381201	-0.3207195	0.353	0.973	1	14
TIMP13	0.01403685	-0.4308839	0.118	0.348	1	14
VNN3	0.01419876	-0.3274569	0	0.375	1	14
S100A62	0.01435776	-0.5517569	0.353	0.911	1	14
MT-ATP83	0.01645309	0.61523027	0.824	0.839	1	14
AHRI	0.01700331	-0.3216502	0.118	0.357	1	14
HSPA56	0.01795332	-1.4577225	0	0.321	1	14
MAFB	0.01835309	-0.5193791	0.176	0.357	1	14
SOX43	0.01836794	0.58402698	0.235	0.875	1	14
HMGBI1	0.01873933	-0.3547072	0.353	0.911	1	14
IFI64	0.01896745	-0.6312558	0.059	0.705	1	14
EREG2	0.02094408	-1.3880628	0	0.312	1	14
GRN	0.0230847	-0.4312127	0.176	0.75	1	14
TKT1	0.02374644	-0.4012909	0.118	0.357	1	14
ICAM11	0.02457133	-1.3286754	0	0.33	1	14
CSF1R	0.02469109	0.4879442	0.353	1	1	14
DMXL21	0.02469109	0.4395068	0.353	0.446	1	14
IFITM35	0.02552693	-1.3148726	0.118	0.348	1	14
TNFAIP2	0.02902831	0.57340844	0.529	0.616	1	14
THBS1	0.03266826	-0.7058949	0.059	0.357	1	14
SH3BGR1.32	0.03278043	-0.6502862	0.353	0.902	1	14
NCL2	0.03320688	-0.871463	0	0.339	1	14
AC007952.43	0.03881949	-0.2990774	0.118	0.732	1	14
ANXA5	0.03951106	-0.3911107	0.176	0.384	1	14
TMSB4X	0.03962707	-0.8836747	0.647	1	1	14

PRKCD1	0.04086572	0.3023841	0.176	0.786	1	14
TUBA1B2	0.04162472	1.01569972	0.353	0.991	1	14
MT-ND62	0.0431011	0.77880548	0.765	0.991	1	14
PMAIP14	0.04431809	-0.3824969	0	0.652	1	14
S100A102	0.04431809	-1.1297784	0	0.348	1	14
NEAT15	0.04759983	0.25409399	1	0.991	1	14
GSN3	0.04900602	0.37035259	0.118	0.732	1	14
CTSL	0.0491031	-0.6100779	0	0.42	1	14
RXRA1	0.05069333	0.34173668	0.235	0.83	1	14
ACSL11	0.05091012	-1.2516294	0	0.348	1	14
HPRT11	0.05106366	0.37332593	0.059	0.661	1	14
NAAA3	0.05152271	0.54312203	0.235	0.446	1	14
RASSF41	0.05326352	0.75064076	0.353	0.973	1	14
MAP3K83	0.05397298	-0.8625369	0.059	0.366	1	14
IGSF61	0.05410549	0.82736607	0.294	0.902	1	14
TOB13	0.05841554	-0.2586442	0	0.643	1	14
YWHAH	0.05841554	-0.4879786	0	0.357	1	14
LAP3	0.05929495	-0.2507592	0.059	0.67	1	14
AHNAK4	0.05962024	-0.5744645	0.588	1	1	14
MTRNR2L123	0.06351161	0.28750076	1	1	1	14
PLXNB21	0.07401608	0.53811234	0.353	0.938	1	14
CALHM61	0.07490689	0.51941615	0.059	0.67	1	14
F5	0.07518445	-0.4545271	0	0.464	1	14
CD68	0.08023359	0.31382881	0.118	0.705	1	14
JAML2	0.08597501	0.29079603	0.294	0.857	1	14
CD834	0.09106468	-0.4170254	0.118	0.696	1	14
IFNGR21	0.09228933	-1.0191608	0.059	0.375	1	14
BCAT1	0.09468271	0.26975196	0.059	0.643	1	14
PTGER21	0.09781095	-0.8060507	0	0.625	1	14
HLA-DR3A3	0.10243554	0.89424822	0.412	1	1	14
CD721	0.10270108	-0.2571703	0	0.25	1	14
OASL4	0.10371985	-0.4669916	0	0.259	1	14
ZNF385A	0.10858206	-0.5549733	0	0.321	1	14
PHLDA1	0.1096791	-0.5133816	0	0.589	1	14
SLC8A1	0.11300062	0.27262625	0.235	0.473	1	14
FCER1G2	0.11310088	0.89039324	0.412	0.991	1	14
ANXA13	0.11459255	-0.2750946	0.235	0.75	1	14
POU2F21	0.11469348	0.627106	0.412	1	1	14
DDIT43	0.11766691	-0.8638579	0.059	0.652	1	14
CYP1B11	0.12816046	-0.5274022	0.059	0.598	1	14
PGRMC11	0.13170125	-0.4094559	0	0.188	1	14
ACTB5	0.1334873	-0.531221	0.882	1	1	14
PSAP	0.13528046	0.39103266	0.647	0.688	1	14
ANKRD282	0.14047109	-0.5314129	0.059	0.643	1	14
TIPARP4	0.15408413	-0.6587767	0.059	0.411	1	14
FOS6	0.15447378	-0.4605246	0.824	0.946	1	14
HLA-DRB52	0.17115227	1.22030959	0.412	1	1	14
ETS21	0.17310358	-0.2900283	0.118	0.67	1	14
GLUL2	0.17316674	-0.4882285	0.176	0.446	1	14
KLF102	0.17395864	-1.0907889	0	0.393	1	14
PGD2	0.18435739	-0.6647041	0.118	0.429	1	14
NLRP31	0.19626657	-0.397121	0.235	0.732	1	14
TAGLN24	0.21362644	-0.320183	0.176	0.696	1	14
TCF7L2	0.22688508	0.50727468	0.353	0.875	1	14
PLEC2	0.23228565	-0.6530227	0.353	0.768	1	14
ATF33	0.25884659	-0.9498051	0.059	0.384	1	14
LYZ4	0.2697399	-0.477862	0.647	1	1	14
GAPDH2	0.28179126	-0.8630861	0.235	0.661	1	14
HDAC1	0.28694507	-0.2944756	0	0.393	1	14
SRPRB	0.31396703	0.66637705	0.059	0.393	1	14
HDAC9	0.32365	-0.3112803	0	0.25	1	14
MYADM3	0.33791171	-0.7990667	0.176	0.643	1	14
SIGLEC11	0.34151359	-1.0991934	0	0.152	1	14
RBM47	0.34158887	-0.4669752	0.176	0.661	1	14
S100A44	0.34181507	0.50421806	0.471	0.929	1	14
ACTG13	0.34533298	0.45770524	0.412	0.884	1	14
NR4A11	0.3819055	0.25811261	0.176	0.518	1	14
P4HB	0.39331868	-0.632599	0.118	0.473	1	14
AP2S12	0.40604453	-0.6747744	0	0.5	1	14
FPR2	0.40931911	-0.3593501	0	0.152	1	14
LILRA1	0.4369178	-0.4706515	0.059	0.58	1	14
CST32	0.4457504	0.27766785	0.529	0.982	1	14
FPR11	0.45121752	0.25328561	0.118	0.607	1	14
RPS27L2	0.45380285	0.3186488	0.118	0.5	1	14
BEX3	0.45738369	-0.3825023	0	0.259	1	14
TUBB2	0.47070144	0.41763849	0.059	0.473	1	14
TNFAIP35	0.49247625	-1.3000159	0.118	0.58	1	14
LRRC25	0.52834347	0.38520817	0.176	0.661	1	14
LINC00937	0.56523092	-0.5392804	0.059	0.473	1	14
SCIMP	0.58670491	0.45625003	0.118	0.607	1	14
EGR14	0.59392072	-0.530146	0.059	0.571	1	14
ADGRE21	0.60366527	-0.451385	0.118	0.598	1	14
CLEC12A1	0.60863129	0.29255176	0.235	0.58	1	14
SNX31	0.61312975	-0.3019441	0.059	0.554	1	14
APLP2	0.61351543	-0.3266478	0.235	0.554	1	14
MIR4435-2HG2	0.6378255	-0.5242305	0	0.527	1	14
NKG75	0.63809859	0.92905574	0.118	0.607	1	14
ZNF503	0.66249143	-0.5135308	0	0.143	1	14
PDIA61	0.68080554	-0.3284491	0	0.464	1	14
LILRB2	0.69399025	0.45781941	0.529	1	1	14
TMSB102	0.71469453	-0.4316542	0.706	0.991	1	14
CTSD1	0.71969499	-0.2676269	0.118	0.527	1	14
CALM22	0.72482	-0.5923549	0	0.527	1	14
ATP2B1-AS15	0.73018518	-0.7162213	0.176	0.536	1	14
JUND4	0.73534932	-1.0779062	0.059	0.545	1	14
CSF3R1	0.73548974	-0.4837588	0.294	0.652	1	14
LTA4H2	0.75129274	0.39080494	0.294	0.643	1	14
ALOX5AP2	0.81535679	-0.3319171	0	0.518	1	14

HLA-DRB16	0.84813962	0.49828974	0.588	1	1	14
TNFAIP6	0.87956107	-0.6107692	0	0.152	1	14
BRI3	0.91947269	-0.2518998	0.059	0.527	1	14
LYST3	0.92509341	0.88294783	0.412	0.821	1	14
GNG11	0.93924956	-0.3741494	0	0.125	1	14
PLEK3	0.94166349	-1.2434963	0.059	0.527	1	14
CTSS2	0.94724877	0.34466466	0.412	0.741	1	14
NAIP1	0.95277554	-0.358598	0.176	0.58	1	14
S100A92	0.96389028	-0.3437405	0.353	0.634	1	14
DDAH2	1	-0.3699476	0.059	0.482	1	14
TTN	5.66E-13	-0.6765924	0.018	1	1.13E-09	15
TRIB11	3.22E-11	-0.2667801	0.036	1	6.44E-08	15
CTSW6	4.77E-10	0.44128432	0.109	0	9.54E-07	15
CSF1R1	7.18E-10	-0.2757108	0.055	1	1.44E-06	15
FCN1	1.06E-09	0.41823002	0.055	1	2.12E-06	15
DUSP4	4.36E-09	-0.3859431	0	0.125	8.72E-06	15
RHOC4	6.72E-09	0.29058323	0.164	0	1.34E-05	15
CCL55	1.62E-08	0.47875394	0.073	1	3.24E-05	15
P2RY11	2.40E-08	-0.4419165	0.018	0.125	4.80E-05	15
IGKV3-151	9.15E-08	0.66173951	0.018	0.875	0.00018307	15
IGLV1-441	9.15E-08	0.26139683	0.018	0.875	0.00018307	15
ASAP11	9.39E-08	-0.4352105	0.036	0.125	0.00018779	15
IL7R7	1.61E-07	0.34069287	0.091	1	0.00032222	15
LGALS32	1.61E-07	0.25887952	0.091	1	0.00032222	15
LINC01480	2.86E-07	-0.3990359	0.055	0.125	0.00057173	15
SAE1	4.78E-07	-0.4040887	0.109	1	0.00095503	15
KLRB15	1.14E-06	0.26795459	0.109	1	0.00228992	15
GPLY7	1.52E-06	1.16720549	0.109	0.125	0.00304594	15
HRH21	3.07E-06	-0.3453034	0.109	0.125	0.00613155	15
ATP2B1-AS16	3.22E-06	0.28694126	0.145	0.125	0.00644121	15
CHST151	6.21E-06	0.35882411	0.127	1	0.01241907	15
ANXA14	7.05E-06	0.36837019	0.182	0.125	0.01409592	15
CD693	8.98E-06	-0.2797827	0.145	0.125	0.01796806	15
NKG76	9.17E-06	0.9928963	0.2	0.125	0.01833115	15
GNG111	1.02E-05	-0.3242056	0.145	1	0.02036217	15
SLC29A1	1.09E-05	0.29021023	0.164	0.125	0.02187259	15
GUCY1A11	1.39E-05	-0.7311731	0.164	0.125	0.0278608	15
KYNU1	1.46E-05	0.35408931	0.2	0.125	0.02924593	15
CTS2D	2.19E-05	0.25115455	0.236	0.125	0.04379119	15
LYZ5	2.70E-05	1.30264833	0.145	1	0.05401118	15
AC004817.3	9.33E-05	-0.4357179	0	0.25	0.18667723	15
ID12	9.33E-05	-0.4625023	0	0.25	0.18667723	15
MZT11	0.00012058	-0.316967	0.182	1	0.24116496	15
AC020916.12	0.00017795	-0.3524206	0.018	0.25	0.35590512	15
CPVL2	0.00030395	0.31318898	0.182	1	0.60789472	15
IGFBP3	0.00030395	0.3066255	0.182	1	0.60789472	15
DDX39A1	0.00053521	-0.3623995	0.291	1	1	15
ATF34	0.00063434	-0.4958801	0.055	0.25	1	15
MIR22HG2	0.00078245	-0.4198065	0.073	0.25	1	15
IL329	0.00082917	0.75737793	0.2	1	1	15
ANXA51	0.00082917	0.26358955	0.2	1	1	15
FH	0.00082917	0.25478265	0.2	1	1	15
THBD1	0.00097141	-0.4105582	0.073	0.25	1	15
SWAP701	0.00097141	-0.4654946	0.073	0.25	1	15
TOX2	0.00102439	-0.4230676	0.091	0.25	1	15
AIF13	0.00102842	0.47452216	0.309	0.25	1	15
PLXNB22	0.00123127	0.42490741	0.364	0.25	1	15
ANXA63	0.00199066	0.33437013	0.382	0.25	1	15
COTL13	0.00201426	0.31688442	0.236	0.25	1	15
HIST1H2AC1	0.00202318	0.25689694	0.218	1	1	15
LMNB1	0.00215364	-0.4147738	0.182	0.25	1	15
SOD22	0.0031197	-0.4600844	0.145	0.25	1	15
SERPINF2	0.00321137	-0.278211	0.255	1	1	15
CKS1B	0.00448237	0.28711056	0.236	1	1	15
CD320	0.00448237	0.25620522	0.236	1	1	15
MGST21	0.00489456	0.27569992	0.473	0.25	1	15
MYADM4	0.00771221	-0.4092788	0.382	1	1	15
AL138963.39	0.00901262	1.28511508	0.545	0.375	1	15
F13A1	0.00912852	0.34167948	0.255	1	1	15
CARD161	0.00912852	0.33250558	0.255	1	1	15
RNF144B	0.00912852	0.2861171	0.255	1	1	15
S100A93	0.01000429	0.83208886	0.073	0.75	1	15
LDLRAD4	0.01025208	-0.3393814	0.109	0.75	1	15
RPLP02	0.0107893	-0.3935547	0.964	1	1	15
CPNE32	0.01159187	-0.6844456	0.455	1	1	15
S100A111	0.01663131	0.60522436	0.764	1	1	15
IFITM36	0.01726325	0.56285316	0.273	1	1	15
SLIRP	0.01726325	0.48732793	0.273	1	1	15
LST1	0.01726325	0.41764142	0.273	1	1	15
ESYT11	0.01726325	0.33806063	0.273	1	1	15
FGD2	0.01726325	0.32196594	0.273	1	1	15
PHACTR13	0.02356386	-0.4948204	0.4	1	1	15
ETFA1	0.02551723	0.27405662	0.291	0.375	1	15
GPR1832	0.02725176	-0.7008478	0.309	0.875	1	15
TOR3A2	0.03028229	0.33607099	0.436	0.375	1	15
NREP1	0.03057372	0.42057133	0.291	1	1	15
ATPIB3	0.03057372	0.32417994	0.291	1	1	15
SFT11	0.03057372	0.26693168	0.291	1	1	15
GNG7	0.03236817	-0.4076	0.509	1	1	15
MS4A6A2	0.03409313	0.53532854	0.836	1	1	15
CANX2	0.03764044	0.26476972	0.818	0.625	1	15
AL355075.4	0.03965411	-0.4616574	0.382	1	1	15
FTL1	0.03997471	-0.3028381	0.964	1	1	15
UBE2J13	0.04322292	-0.5277587	0.764	1	1	15
NEAT16	0.04328173	0.39000598	0.309	0.375	1	15
TSPO1	0.04350915	-0.2543147	0.4	1	1	15
HMG1B2	0.04636226	-0.4759885	0.964	1	1	15
HLA-DPB16	0.04636488	-0.3138854	1	1	1	15

IFITM24	0.04924486	0.25590367	0.473	0.375	1	15
CAT	0.05062505	-0.3332569	0.818	1	1	15
NOPS62	0.05107023	0.57117208	0.309	1	1	15
MGLL2	0.05107023	0.3826231	0.309	1	1	15
GRASP4	0.05180841	-0.3836845	0	0.625	1	15
IFI276	0.05180841	-0.7668543	0	0.375	1	15
SEMA7A	0.05764678	-0.3232917	0.036	0.375	1	15
S100A85	0.05974401	1.08734103	0.091	0.375	1	15
IGKC1	0.061722	-0.9383938	0.945	1	1	15
TIPARP5	0.06449133	-0.4286096	0.018	0.375	1	15
TXNDC171	0.0688298	0.28622847	0.345	1	1	15
AHCY	0.07029513	-0.2889712	0.382	1	1	15
PSMB81	0.07466375	0.38261612	0.691	0.5	1	15
RNASE61	0.0775311	0.48074385	0.927	1	1	15
EPRS3	0.08094697	0.51346189	0.327	1	1	15
KCTD12	0.08094697	0.3016606	0.327	1	1	15
EAF2	0.08094697	0.28272156	0.327	1	1	15
SEPT113	0.08094697	0.25867708	0.327	1	1	15
CXCR3	0.08347614	-0.5913263	0.564	1	1	15
CALHM62	0.08612535	-0.2886238	0.109	0.375	1	15
CHMP1B3	0.08844741	-0.5220205	0.164	0.375	1	15
PPPIR14A1	0.09188287	-0.3784443	0.236	0.375	1	15
SLC25A5	0.11357398	-0.4411299	0.818	1	1	15
CCDC88A	0.11404796	-0.3951518	0.873	1	1	15
ZFP362	0.11783429	-0.2980108	0.782	1	1	15
S100A63	0.11901389	-0.4996231	0.909	1	1	15
CSF2RA	0.12237324	0.6043152	0.345	1	1	15
CD77	0.12237324	0.51420908	0.345	1	1	15
JPT12	0.12237324	0.27904609	0.345	1	1	15
SEC61B2	0.12406641	-0.3033404	0.964	1	1	15
PSME24	0.12494225	0.45782063	0.582	0.625	1	15
SAT15	0.13821539	-0.3680971	0.764	1	1	15
MARCKSL12	0.13963004	-0.3354351	0.291	0.375	1	15
H2AFZ2	0.1517044	-0.4407725	0.564	1	1	15
HSBP1	0.15335885	0.37225969	0.382	1	1	15
GSN4	0.15935145	0.64099761	0.691	1	1	15
DNASE1L3	0.16835765	0.37886302	0.782	1	1	15
AC245014.33	0.17676468	-0.8931975	0.491	0.375	1	15
FABP5	0.17715164	0.28349276	0.4	1	1	15
FKBP3	0.17723796	0.33844355	0.364	1	1	15
NUDT51	0.17723796	0.27386486	0.364	1	1	15
RGS14	0.17784173	-0.8893038	0.109	0.625	1	15
CC171	0.19605616	-0.2624388	0.473	1	1	15
SMPD3	0.19894094	-0.2854797	0.673	1	1	15
ADA22	0.20105298	-0.3105738	0.455	1	1	15
PVCARD2	0.21049109	0.36169295	0.8	1	1	15
GZMB3	0.21169954	-0.8805796	0.982	1	1	15
SMIM141	0.21190319	0.56421088	0.636	1	1	15
SEC11C1	0.22076823	-0.5803822	0.655	1	1	15
HIST1H4C2	0.22337726	-0.4414784	0.709	1	1	15
SNX32	0.22713783	-0.2999538	0.927	1	1	15
MTRNR2L124	0.22719361	0.55231403	1	1	1	15
FRMD4B2	0.22849555	0.49484105	0.164	0	1	15
SAMHD11	0.24316268	0.25933905	0.873	1	1	15
JCHAIN	0.25192327	-0.3487268	1	1	1	15
TNFSF13B1	0.2603486	-0.3855934	0.455	1	1	15
DAAM12	0.26568872	-0.4435792	0.491	1	1	15
PPT11	0.26880593	0.30619605	0.2	0.5	1	15
ZFP361.26	0.27681582	-0.4434022	0.782	1	1	15
FAM129C	0.28761265	0.34480035	0.909	1	1	15
SNRPD33	0.28936153	-0.316114	0.636	1	1	15
TCL1A1	0.29287692	0.78475551	0.418	1	1	15
SSRP1	0.3031567	0.29130739	0.418	1	1	15
JUND5	0.30920553	-0.2593255	0.527	0.75	1	15
CYB561A31	0.3166193	-0.4932082	0.909	1	1	15
DYNLL12	0.32112377	0.33659846	0.673	1	1	15
CD371	0.32675869	0.31419674	0.927	1	1	15
ANXA22	0.3318685	0.33023389	0.4	1	1	15
TALDO11	0.33711463	-0.2758217	0.6	1	1	15
RASD1	0.34196347	-0.3518051	0.109	0.625	1	15
EIF4A31	0.34277595	-0.4091315	0.545	0.75	1	15
CDK2AP2	0.34632097	-0.4710895	0.8	1	1	15
CTSC3	0.34739482	0.28059125	0.891	1	1	15
PTMS2	0.35878153	0.65300975	0.6	1	1	15
NCL3	0.367932	0.25204742	0.8	0.75	1	15
IRF41	0.38603515	-0.2841535	0.327	0.75	1	15
H2AFY3	0.38901562	0.30015298	0.745	1	1	15
HSP90AB12	0.40265529	-0.2544164	0.855	0.875	1	15
APP	0.4031243	0.39378228	1	1	1	15
HSPA83	0.41227855	0.41838682	0.745	1	1	15
TRAF4	0.42130189	-0.4950788	0.673	1	1	15
VDAC33	0.42502583	0.44948511	0.455	1	1	15
NAGK1	0.42502583	0.38808006	0.455	1	1	15
SHTN11	0.43180565	0.63533529	0.418	1	1	15
TMEM8B	0.43432685	0.47825111	0.691	1	1	15
GNAI21	0.45520847	0.32558161	0.618	1	1	15
TMEM1091	0.46169946	0.40766476	0.764	1	1	15
PTGDS1	0.46493367	-0.9693578	0.382	0.5	1	15
TXN1	0.47632848	0.39402237	0.945	1	1	15
SNRPG2	0.48214793	-0.4225485	0.636	1	1	15
NBPF142	0.48458902	-0.2756418	0.509	0.75	1	15
FOSB5	0.48458902	-0.3016239	0.509	0.75	1	15
4-Jun	0.50185294	-0.4396809	0.855	0.875	1	15
BCL11A1	0.50218175	-0.3074415	0.909	1	1	15
HNRNPF1	0.52375364	-0.3206198	0.491	1	1	15
ID23	0.53479182	-0.2727554	0.164	0.625	1	15
STT3A	0.53573609	0.35284513	0.473	1	1	15
ABRACL4	0.53921416	0.27593771	0.709	1	1	15

FCGRT	0.54147451	0.32969544	0.8	1	1	15
CACYBP2	0.54529432	0.25376913	0.436	1	1	15
NCF12	0.55621769	-0.2715907	0.909	1	1	15
S100A103	0.55919768	0.83718531	0.564	1	1	15
TPM41	0.57230003	-0.4925483	0.418	0.5	1	15
CTSZ	0.59429074	0.34404564	0.673	1	1	15
MYDGF2	0.59429074	0.28897961	0.673	1	1	15
HSP90B16	0.5986115	-0.2990952	0.982	0.875	1	15
FCER1A1	0.60145102	0.29552356	0.545	1	1	15
ICAM12	0.60911409	-0.2749683	0.127	0.5	1	15
NDUFB32	0.61328637	-0.4702874	0.509	1	1	15
HIST1HIE3	0.62279831	0.38564958	0.655	1	1	15
HLA-DQB13	0.6257036	-0.4518774	0.745	1	1	15
LGALS14	0.63688051	0.3566352	0.636	1	1	15
PIK3AP12	0.64037728	-0.4140094	0.473	0.625	1	15
C1orf1622	0.64216805	0.34571529	0.491	1	1	15
MT-ATP84	0.65398206	-0.2639366	0.691	1	1	15
SPCS31	0.66909609	-0.4011329	0.691	1	1	15
PPMIJ	0.66997248	0.4066516	0.455	1	1	15
PDE4B1	0.688583	-0.5270272	0.127	0.5	1	15
PLEK4	0.70250391	-0.4269198	0.927	1	1	15
AC007952.44	0.71697838	-0.2564798	0.782	1	1	15
CYBB1	0.71737356	-0.2919307	0.818	1	1	15
SLC1A51	0.7277733	0.30196108	0.6	1	1	15
CD362	0.7277733	-0.2875303	0.6	1	1	15
NFKBIA4	0.74367337	-0.5605029	0.6	0.625	1	15
TOB14	0.74425796	-0.3298223	0.109	0.5	1	15
PLSCR11	0.75176593	-0.4125744	0.073	0.5	1	15
AREG4	0.75176593	-0.4782034	0.073	0.5	1	15
DAB21	0.7589415	0.54576957	0.582	1	1	15
TLN13	0.76199106	0.3020921	0.673	1	1	15
SLC25A25	0.77473507	-0.291411	0.073	0.5	1	15
NPC22	0.7804893	-0.2644412	0.982	1	1	15
ALDH21	0.80267833	0.28233198	0.473	1	1	15
RANBP11	0.80553164	0.3186913	0.527	1	1	15
RGS23	0.8315203	-0.9439799	0.109	0.5	1	15
HLA-DQA13	0.8411561	0.28748394	0.6	1	1	15
S100A45	0.84238129	0.66841866	0.655	0.875	1	15
SNRNP25	0.87344678	0.33456637	0.564	1	1	15
TUBB3	0.87663731	-0.2841047	0.8	1	1	15
GRN1	0.87694618	-0.6322075	0.927	1	1	15
NRPI	0.88380344	0.49205726	0.382	0.75	1	15
MIR181A1HG1	0.888341	-0.4346702	0.055	0.5	1	15
ISGI54	0.888341	-0.4986275	0.055	0.5	1	15
PSMB23	0.8893289	0.36038274	0.527	1	1	15
CCT32	0.8915254	0.31944812	0.636	1	1	15
IFI44L11	0.91304155	-0.450956	0.055	0.5	1	15
PECAM12	0.93970241	0.56826929	0.491	1	1	15
CNN22	0.93970241	0.37954511	0.491	1	1	15
LDHA4	0.9405199	0.45845175	0.545	1	1	15
CLEC4C	0.94228817	-0.5717546	0.818	1	1	15
SPIB	0.95765704	0.36385893	0.564	1	1	15
PACSIN1	0.97489393	0.315176	0.636	1	1	15
MEF2C3	0.9917484	-0.2753351	0.818	1	1	15
IGHV1-21	1.22E-11	-0.2582363	0	1	2.44E-08	16
TRBV7-26	4.09E-11	-0.3589265	0	0.968	8.19E-08	16
TRBV7-62	4.98E-10	0.59063516	0.038	1	9.95E-07	16
TRBV11-2	4.98E-10	0.56400703	0.038	1	9.95E-07	16
TRAV27	4.98E-10	0.26443648	0.038	1	9.95E-07	16
IGHV3-212	1.24E-09	-0.2502302	0	0.871	2.47E-06	16
TRBV4-13	4.31E-09	0.59772086	0.038	0.935	8.61E-06	16
LYZ6	1.17E-08	-0.5659045	0.077	1	2.34E-05	16
TRAV12-3	1.29E-08	0.37214235	0.077	1	2.58E-05	16
TRBV283	1.42E-08	0.32441777	0.077	1	2.84E-05	16
IGHV3-331	3.25E-08	3.05042327	0.038	0.871	6.50E-05	16
KLRC12	1.86E-07	-0.4412669	0.115	1	0.00037224	16
VCAN	2.15E-07	0.28571886	0.038	0.806	0.00043097	16
TRBV182	4.99E-07	-0.2562635	0	0.129	0.00099816	16
TRBV4-25	4.99E-07	-0.5614911	0	0.129	0.00099816	16
TRBV5-12	6.10E-07	-0.4648696	0.077	0.129	0.00122011	16
TRAV1-21	1.31E-06	-0.2677641	0	0.129	0.00261981	16
JCHAIN1	1.61E-06	2.35380915	0.115	0.935	0.00322501	16
ESPL1	2.22E-06	-0.3243525	0.115	0.903	0.00444702	16
IGKV1D-391	2.94E-06	2.40322038	0.038	0.71	0.00588041	16
IGKV1-39	2.94E-06	0.44733973	0.038	0.71	0.00588041	16
IGKC2	7.35E-06	1.48156086	0.154	0.968	0.01469167	16
IGHA21	7.99E-06	0.3760798	0.115	0.871	0.01598229	16
IGHV3-66	9.89E-06	0.73736031	0.038	0.806	0.01978113	16
TKTL1	1.75E-05	0.27993595	0.077	0.871	0.03502009	16
RAMPI1	1.94E-05	0.27536657	0.154	0.935	0.03876885	16
MS4A11	4.66E-05	0.52890886	0.077	0.871	0.09321738	16
EOMES1	4.74E-05	0.37569097	0.192	1	0.09475744	16
IGHM	5.07E-05	1.41404952	0.115	0.903	0.10135707	16
CTSZ1	7.13E-05	0.25420874	0.231	0.258	0.14265781	16
TRAV13-13	7.59E-05	-0.423667	0	0.194	0.15177869	16
RNASE62	0.00019686	0.25058269	0.192	0.968	0.39371588	16
AQP33	0.00027429	-0.6701986	0.308	1	0.54858784	16
MZB1	0.00040052	0.61967605	0.154	0.258	0.80103497	16
S100A94	0.00088992	0.54661498	0.115	0.839	1	16
CD79A3	0.00108491	0.94835654	0.231	0.968	1	16
FADS2	0.00118402	0.31159047	0.231	0.935	1	16
MYL9	0.00212099	-0.2739077	0.077	0.29	1	16
XCL24	0.00232814	0.47657363	0.269	1	1	16
KIF20A	0.00307437	-0.276537	0.038	0.161	1	16
GZMA5	0.00343767	0.90405494	0.769	0.742	1	16
PLEC3	0.00345207	-0.3802603	0.385	1	1	16
IGHA11	0.00365688	0.49532042	0.115	0.742	1	16
HLA-DQA14	0.00384236	0.39101604	0.231	0.355	1	16



SYK3	0.00384236	0.33646878	0.231	0.935	1	16
MELK	0.00408659	-0.3100603	0.192	0.839	1	16
TRBV7-94	0.00454686	-0.2777446	0	0.29	1	16
CCNB1	0.00594216	0.35823123	0.269	0.387	1	16
KIR2DL12	0.00608646	0.34292469	0.192	0.839	1	16
AHNAK5	0.00913179	-0.643648	0.692	1	1	16
CS175	0.0092224	0.90453148	0.885	0.806	1	16
EZF7	0.00966751	-0.2940649	0.038	0.258	1	16
TRGV93	0.01135943	0.36903016	0.308	1	1	16
AKR1C3	0.01278374	0.35810994	0.308	0.968	1	16
PTGER42	0.01308832	-0.3370877	0.231	0.355	1	16
TK1	0.01583757	0.51947671	0.769	0.677	1	16
CD8A2	0.01804559	0.36560818	0.462	0.419	1	16
CCL45	0.0205442	0.56839669	0.462	0.484	1	16
HMGB21	0.0224226	0.45875274	0.923	1	1	16
HLA-DQA22	0.02350149	0.34079818	0.346	1	1	16
LMNA6	0.02534776	-0.2940049	0.154	0.774	1	16
ITM2C	0.02537287	0.38613885	0.231	0.839	1	16
GZMH3	0.02645879	0.585729	0.462	0.548	1	16
PRF13	0.02646172	0.82554712	0.846	0.935	1	16
NDUF63	0.0286546	0.31551654	0.769	0.806	1	16
HLA-DQB14	0.02975799	0.2545868	0.308	0.419	1	16
CDC25B1	0.03477534	-0.3452943	0.654	1	1	16
BLVRB1	0.03501549	0.36728213	0.308	0.935	1	16
TTK	0.03513599	-0.3424101	0.077	0.355	1	16
LIMS13	0.03731973	-0.2785509	0.577	1	1	16
LINC024462	0.0375159	0.40166269	0.115	0.742	1	16
GABARAP1	0.03799144	0.25144637	0.885	1	1	16
CLIC33	0.03842165	0.90953427	0.346	1	1	16
CTSD3	0.03886085	-0.3769321	0.385	0.935	1	16
TYMS	0.04107202	0.50022914	0.923	0.839	1	16
SNRPD34	0.04606106	0.29993297	0.885	0.903	1	16
PLEK5	0.04772539	0.39287275	0.769	0.774	1	16
LDHA5	0.05352655	0.28749494	0.923	0.935	1	16
CD21	0.05467405	-0.3626543	0.577	0.968	1	16
CD3G3	0.05487733	-0.3551861	0.385	0.839	1	16
CX3CR12	0.05910067	0.56379902	0.385	1	1	16
SH2D1B	0.05933942	0.38434385	0.346	0.935	1	16
FKBP24	0.06399854	0.27487706	0.731	0.774	1	16
TMEM1092	0.06408918	0.27517824	0.769	0.677	1	16
TUBA1B3	0.06658176	0.47420146	1	0.968	1	16
MCM5	0.06883559	0.31491252	0.769	0.806	1	16
NKG77	0.06894808	1.15926558	0.846	0.806	1	16
DUSP23	0.07021487	-0.3033748	0.346	0.452	1	16
RHOC5	0.08088559	0.40712983	0.346	0.935	1	16
PDLIM11	0.08296182	0.44964975	0.308	0.516	1	16
CD300A1	0.08374956	0.54730954	0.346	0.968	1	16
DUTI	0.08500889	0.35449937	0.962	0.806	1	16
GSTP12	0.08794981	0.29511178	0.962	0.968	1	16
HIST1H1C4	0.09053224	0.45884595	0.692	0.742	1	16
HIST1H1D3	0.09362988	-0.321743	0.692	0.935	1	16
SLBP2	0.10043288	0.34218137	0.808	0.806	1	16
LAT21	0.1034774	0.29200867	0.385	1	1	16
STMN12	0.10735797	0.37118577	1	0.871	1	16
TRDC2	0.11052865	0.6962988	0.385	1	1	16
HLA-DPA14	0.1128518	0.48500989	0.538	0.645	1	16
ADGRG13	0.11712543	0.47227767	0.346	0.935	1	16
CTSW7	0.11775928	0.89663363	0.692	0.774	1	16
TPST22	0.12186964	0.33622589	0.769	1	1	16
CD633	0.12587564	0.43797394	0.808	0.935	1	16
MCM71	0.13399913	0.36146627	0.808	0.903	1	16
CD78	0.1425223	0.54859258	0.808	1	1	16
PGAM12	0.14704192	0.25779973	0.885	0.903	1	16
PRDX23	0.15597863	0.26538947	0.769	0.806	1	16
IFITM25	0.15618667	0.76968124	0.885	0.935	1	16
ORC6	0.15908191	-0.2529082	0.308	0.484	1	16
MRPS261	0.16465067	0.33545374	0.615	0.839	1	16
H2AFX	0.16920379	0.38167457	0.577	0.742	1	16
EFHD24	0.17048891	0.36248424	0.769	0.839	1	16
GNGT2	0.18192368	0.25499175	0.231	0.774	1	16
CCL56	0.18538034	0.92367321	0.654	0.677	1	16
PCNA	0.19102562	0.32184682	0.692	0.71	1	16
HMG21	0.19163076	0.27425738	1	0.935	1	16
AOAH	0.20577222	0.37732907	0.269	0.806	1	16
KIF4A	0.20859359	0.25784916	0.308	0.516	1	16
AC103591.38	0.21227812	-0.3836379	0.038	0.419	1	16
HDAC11	0.21432376	0.27099977	0.885	0.935	1	16
H2AFZ3	0.21435347	0.28806668	0.962	1	1	16
IFNG1	0.21891397	-0.3175307	0.154	0.452	1	16
KIF23	0.22091379	-0.2608423	0.154	0.419	1	16
NEAT17	0.22599547	-0.2549924	0.731	0.935	1	16
KNL1	0.23909762	-0.4398166	0.346	0.774	1	16
ANXA15	0.24514044	0.29062518	0.769	0.903	1	16
ASPM	0.25329525	-0.5286993	0.192	0.452	1	16
SELENOS1	0.25585065	0.30208541	0.5	0.677	1	16
PNP2	0.25824136	0.37140725	0.731	1	1	16
C1orf1623	0.26111759	0.49422001	0.423	1	1	16
STOM1	0.27019674	0.33589662	0.538	0.742	1	16
MIR4435-2HG3	0.27071335	-0.4535119	0.577	0.839	1	16
S100A86	0.28272773	-0.5449696	0.077	0.452	1	16
FTL2	0.29398367	0.29009594	1	0.968	1	16
MT-CO11	0.30141634	-0.4213751	1	1	1	16
CENPE	0.30426888	-0.3706843	0.192	0.484	1	16
SRGN1	0.31665404	0.28019617	1	0.935	1	16
TNFAIP36	0.3180908	-0.7893157	0.154	0.613	1	16
CXXC51	0.32002786	0.50683109	0.423	1	1	16
MATK1	0.32002786	0.40039113	0.423	0.645	1	16
HIST1H2BC1	0.32404222	-0.2624977	0.115	0.452	1	16

MANF1	0.33144653	0.31969774	0.654	0.903	1	16
TMEM106C1	0.34028546	0.3865719	0.808	0.903	1	16
CTLA4	0.34458934	-0.3622693	0.192	0.645	1	16
NCAPG	0.34458934	-0.4656666	0.192	0.484	1	16
MTRNR2L82	0.34631085	-0.2563267	0.231	0.645	1	16
AC007952.45	0.34768021	0.25620428	0.654	0.935	1	16
SDF2L1	0.34796238	0.33248483	0.692	0.806	1	16
KLRF12	0.35251392	0.50554771	0.423	0.968	1	16
KLRD15	0.37261142	0.72883873	0.615	0.968	1	16
LGALS15	0.38255526	0.38523089	0.923	0.968	1	16
HJURP	0.38883757	-0.6371986	0.154	0.387	1	16
MYOM23	0.39676587	1.1835631	0.462	1	1	16
TOR3A3	0.39676587	0.29338986	0.462	0.71	1	16
IFTM37	0.40026174	0.48859586	0.923	1	1	16
MT-ATP62	0.40026938	-0.6665218	0.962	1	1	16
LAIR2	0.4050086	0.32611799	0.423	0.677	1	16
MMD1	0.41678167	-0.2825669	0.038	0.452	1	16
PP1B4	0.42773408	0.28105308	0.962	1	1	16
FGFBP25	0.43292152	0.85996533	0.423	0.935	1	16
HOPX4	0.43589763	0.92662547	0.615	0.968	1	16
ALOX5AP3	0.43589763	0.35708705	0.615	0.871	1	16
CENPF	0.45358992	-0.6908072	0.5	0.742	1	16
ID24	0.45505759	0.44877065	0.615	0.839	1	16
SELL4	0.45538787	-0.3123954	0.654	0.839	1	16
IL3210	0.4561197	0.31488762	0.808	0.968	1	16
SUB13	0.45626572	0.25899567	0.962	0.968	1	16
5-Jun	0.45626572	-0.4835318	0.962	1	1	16
TUBB4B3	0.47380994	0.28963573	0.538	0.71	1	16
UBE2S1	0.48637232	-0.5584397	0.231	0.645	1	16
CD744	0.49592018	0.57780758	1	1	1	16
TCF19	0.52436974	0.37850794	0.5	1	1	16
MCM32	0.52669244	0.29843573	0.808	1	1	16
MT-CO31	0.52682645	-0.4717737	1	1	1	16
PRC11	0.53602433	-0.5922274	0.154	0.613	1	16
MT-ATP85	0.53731641	-0.6503004	0.885	0.935	1	16
BHLHE403	0.54853554	-0.3688411	0.192	0.516	1	16
MT-CYB2	0.55868709	-0.7005904	1	1	1	16
JUND6	0.56219905	-0.4201647	0.269	0.645	1	16
HLA-DPB17	0.56847568	0.30351576	0.615	0.871	1	16
HIST1H4C3	0.60256581	0.55042792	0.923	0.935	1	16
IL2RB2	0.62440607	0.69363238	0.654	0.871	1	16
TIPARP6	0.63105561	-0.2506713	0.308	0.548	1	16
FCER1G3	0.63526125	0.83103678	0.577	0.968	1	16
NCR31	0.64427126	0.42409086	0.385	0.806	1	16
TYROBP2	0.64641372	0.66327682	0.538	1	1	16
GZMB4	0.64641372	0.53578574	0.538	0.871	1	16
FCGR3A5	0.66830055	1.19556891	0.462	0.968	1	16
UNG	0.67882608	0.50495685	0.346	0.71	1	16
IGFBP7	0.6795103	0.78779911	0.462	0.935	1	16
HLA-DRB17	0.68108341	0.55198381	0.5	0.774	1	16
HIST1H2AG1	0.71336666	-0.3014593	0.269	0.581	1	16
HIST1H2AL	0.72157648	-0.2513529	0.115	0.516	1	16
GPR1833	0.73858542	-0.3221235	0.308	0.613	1	16
TBX211	0.75330628	0.69260044	0.5	0.903	1	16
MT-CO21	0.76692325	-0.3994942	1	1	1	16
MTRNR2L125	0.77918592	-0.2599034	1	1	1	16
KLRB16	0.79077386	0.30989561	0.577	1	1	16
CKAP2L	0.82439053	-0.4987564	0.192	0.548	1	16
HLA-DRA4	0.82797251	0.7486143	0.538	0.774	1	16
ZFP36L27	0.82875647	-0.390079	0.923	1	1	16
TOP2A	0.85274007	-0.4733349	0.462	0.645	1	16
CDC34	0.85295746	0.28364701	0.5	0.839	1	16
HELLS	0.85342953	-0.2502255	0.615	0.774	1	16
TRBC14	0.85353565	0.51177418	0.654	0.968	1	16
TTC382	0.86561637	0.46757601	0.5	1	1	16
MT-ND4L3	0.86640388	-0.4725737	1	1	1	16
SPN2	0.87900475	-0.2565371	0.846	1	1	16
HLA-DRB53	0.89046923	0.56611711	0.385	0.742	1	16
ACOT17	0.90307009	0.26302869	0.346	0.71	1	16
UHRF1	0.94160146	0.40070015	0.385	0.742	1	16
GZMM2	0.95516133	0.35992719	0.615	1	1	16
MT-ND63	0.95527835	-0.4843956	0.885	0.968	1	16
ZFP363	0.96802082	-0.6775878	0.731	0.774	1	16
CDC45	0.99354953	0.27310944	0.423	0.774	1	16
ABI3	0.99359586	0.28745422	0.654	0.968	1	16
VIM4	0.99360791	0.25232707	0.885	1	1	16
SPON23	1	0.76249608	0.5	0.903	1	16
MYL91	1.69E-06	-0.2541448	0	1	0.00337066	19
SEL1L3	1.69E-06	-0.2671732	0	1	0.00337066	19
S100A2	1.69E-06	-0.5129619	0	1	0.00337066	19
LGALS33	1.69E-06	-0.5730615	0	1	0.00337066	19
CTSH	1.69E-06	-0.6537941	0	1	0.00337066	19
CPVL3	2.81E-05	-0.2823107	0.071	1	0.05614297	19
ANXA23	2.81E-05	-0.4597797	0.071	1	0.05614297	19
SRPRB1	3.47E-05	-0.3981942	0.071	1	0.0694159	19
LGALS16	3.47E-05	-0.8140738	0.071	1	0.0694159	19
IFI277	4.12E-05	-0.9871262	0	0.929	0.08248399	19
EPHB61	4.28E-05	0.66730367	0.143	0.071	0.08556047	19
OASL5	4.28E-05	-0.4195988	0.071	1	0.08563461	19
ANXA2R1	5.07E-05	0.34342978	0.214	0.071	0.10138363	19
RAB311	5.25E-05	0.58101456	0.143	0.071	0.10506302	19
IGFBP41	5.27E-05	0.37536593	0.071	1	0.10540647	19
MT2A9	0.00025104	-0.6055762	0.143	1	0.50207669	19
COTL14	0.00025104	-0.6752917	0.143	1	0.50207669	19
GFI1B	0.00032172	0.48445585	0.286	0.143	0.64344057	19
MITCH21	0.00036319	-0.3267779	0.143	1	0.72637975	19
MPL	0.00038504	0.34740174	0.286	0.143	0.77008024	19
DAB22	0.00043543	-0.2698773	0.143	1	0.87086458	19

BLVRB2	0.00043543	-0.4723511	0.143	1	0.87086458	19
TRO	0.00044701	-0.2578689	0.071	0.929	0.89401463	19
SIDT2	0.00053572	0.26411776	0.071	0.143	1	19
IL3211	0.00064062	0.55580188	0.071	0.929	1	19
OTOF	0.00064272	-0.2605739	0	0.143	1	19
RNASE11	0.00064272	-0.2695344	0	0.143	1	19
CD142	0.00064272	-0.3090336	0	0.143	1	19
CD1633	0.00064272	-0.3273655	0	0.143	1	19
AL355075.41	0.00088043	0.32505641	0.143	1	1	19
IGHG3	0.00088043	0.27536389	0.143	1	1	19
TNFRSF181	0.00088043	0.2718404	0.143	1	1	19
HIP1	0.00088043	0.25304106	0.143	1	1	19
JPT13	0.00098749	-0.2609335	0.214	1	1	19
S100A112	0.00127753	-0.8978132	0.286	1	1	19
CD3021	0.00137234	0.45601737	0.357	0.214	1	19
HOXA3	0.0014514	0.74964361	0.429	0.214	1	19
CD300A2	0.00176638	0.60289291	0.286	0.214	1	19
ADAM281	0.00242213	0.45487558	0.5	0.286	1	19
CFAP203	0.00282772	0.39898872	0.286	0.214	1	19
S100A104	0.00282772	-0.8633031	0.286	1	1	19
EMP1	0.00305359	0.31152246	0.214	0.214	1	19
PDLIM12	0.00339421	-0.4332403	0.071	0.857	1	19
FES2	0.00355809	-0.2855803	0.214	1	1	19
BRI31	0.00355809	-0.4327776	0.214	1	1	19
IFNG-AS11	0.00474824	0.40290322	0.143	0.857	1	19
PDE4B2	0.00536416	0.60710543	0.071	0.857	1	19
FADS21	0.0059254	-0.2564468	0.143	0.214	1	19
RASSF6	0.00642194	-0.2870149	0	0.214	1	19
CD363	0.00642194	-0.3865698	0	0.214	1	19
VCAN1	0.00642194	-0.4196079	0	0.214	1	19
CTSD4	0.00642194	-0.5169224	0	0.214	1	19
S100A95	0.00642194	-1.6529697	0	0.214	1	19
CPA3	0.00642416	-0.2886615	0.214	0.214	1	19
IFITM38	0.00718945	-0.5008415	0.929	0.929	1	19
S100A87	0.00719965	-1.6656572	0.071	0.214	1	19
HIST1H3H	0.00852557	0.35034456	0.214	1	1	19
MARCKS2	0.00852557	0.29493221	0.214	1	1	19
CLEC4A1	0.00852557	0.28044982	0.214	1	1	19
DCTPP11	0.0090622	0.27028544	0.286	0.286	1	19
SLBP3	0.00951344	-0.367545	0.357	1	1	19
PPA11	0.0189	-0.555888	0.429	1	1	19
MMRN1	0.02472082	0.40799857	0.5	0.429	1	19
PROM1	0.03065233	0.44648472	0.429	0.429	1	19
ATIC1	0.0323966	0.36914993	0.286	0.357	1	19
CST33	0.03351846	-0.716408	0.357	0.857	1	19
TUBA1C	0.03442381	-0.3038781	0.429	1	1	19
IFI65	0.03442381	-0.3752937	0.429	0.929	1	19
CYB561A32	0.03639729	0.34712532	0.286	1	1	19
MT-CO22	0.03656219	-0.2911971	1	1	1	19
DST1	0.0376085	-0.2810637	0.357	1	1	19
NASP	0.0376085	-0.2853743	0.357	1	1	19
HIST1H1B	0.04081155	0.36771165	0.286	1	1	19
SNX101	0.04081155	0.3576778	0.286	1	1	19
JAML3	0.04081155	0.32583736	0.286	1	1	19
ZFP361.28	0.04088723	0.6137178	1	1	1	19
TMSB103	0.04088723	-0.3010624	1	1	1	19
MT1X3	0.04155713	-0.3007743	0	0.286	1	19
CDKN1A1	0.04155713	-0.3087761	0	0.286	1	19
CNRIP1	0.04155713	-0.3153494	0	0.286	1	19
TMEM1401	0.04195169	-0.3767319	0.143	0.286	1	19
ALDH22	0.04316584	0.28410182	0.429	0.429	1	19
LAG32	0.04447923	-0.2717085	0.071	0.286	1	19
PLEC4	0.04447923	-0.4404031	0.071	0.286	1	19
TYMP2	0.04447923	-0.6303582	0.071	0.286	1	19
PMAIP15	0.04701775	-0.6539459	0.143	0.786	1	19
H2AFZ4	0.04701775	-0.514819	0.357	0.857	1	19
P4HB1	0.04907788	-0.3245526	0.5	1	1	19
NCL4	0.05081442	0.40957038	0.857	0.857	1	19
GAPDH3	0.0508461	-0.3111543	1	1	1	19
CCR73	0.05100992	0.80442973	0.286	1	1	19
PRAM11	0.05100992	0.48920484	0.286	1	1	19
HIST1H2BH	0.05100992	0.43257587	0.286	1	1	19
ADGRE22	0.05100992	0.31645603	0.286	1	1	19
FHIT	0.05100992	0.30369872	0.286	1	1	19
TSPO2	0.05650897	-0.3917928	0.857	1	1	19
MTRNR2L126	0.05654277	0.37580178	1	1	1	19
CANX3	0.0620421	0.33800528	0.643	0.5	1	19
MT-ATP86	0.06261713	-0.390859	0.786	1	1	19
SRP91	0.06276098	0.33498317	0.929	1	1	19
STOML2	0.06739919	-0.26147	0.5	1	1	19
HMGB13	0.06949598	0.52875898	0.857	0.929	1	19
PIM22	0.07463532	0.31173082	0.5	0.5	1	19
CTT22	0.07608848	0.35984098	0.643	0.571	1	19
S100A64	0.07608848	-1.0646025	0.643	0.857	1	19
CALR3	0.07673468	-0.4342147	0.786	1	1	19
FAM30A2	0.07689626	0.83025359	0.929	1	1	19
AC074327.11	0.07946385	0.42223658	0.214	0	1	19
HMGB22	0.0910105	-0.2706749	0.5	1	1	19
TLN14	0.09307608	0.46141535	0.714	0.571	1	19
PLEK6	0.09506454	-0.3802936	0.286	0.857	1	19
SOC321	0.09719544	-0.3272405	0.357	0.929	1	19
NPR3	0.10191809	0.3644878	0.643	0.429	1	19
AKR1C31	0.10191809	0.2647804	0.643	0.5	1	19
EGFL71	0.10286022	0.41728781	1	1	1	19
CTSC4	0.10877228	0.28405139	0.429	0.5	1	19
PTMS3	0.11119567	-0.3016133	0.571	1	1	19
SOX44	0.11292204	0.53918408	0.929	0.786	1	19
AP000547.3	0.11520486	0.29053662	0.286	0.429	1	19

ISG155	0.11520486	-0.3362658	0.286	0.857	1	19
STX112	0.11554733	-0.5888373	0.071	0.714	1	19
CYTL1	0.11941095	-0.2762674	0.429	1	1	19
GPI2	0.12085865	0.35193454	0.5	0.571	1	19
PA2G43	0.12271505	0.4253949	0.643	0.643	1	19
APPI	0.12346498	-0.2622443	0.214	0.357	1	19
PSAP1	0.12374394	-0.410517	1	1	1	19
TFPI1	0.12890324	-0.3604748	0.357	0.857	1	19
CYTOR2	0.13166916	-0.3899142	0.143	0.714	1	19
LYN2	0.13428837	0.60936796	0.643	0.714	1	19
SCHIP1	0.14109655	0.28360072	0.357	1	1	19
PLCB2	0.14109655	0.27866146	0.357	1	1	19
AC103591.39	0.14437434	-0.9563578	0.143	0.357	1	19
HIFX5	0.14724363	0.34422551	0.714	0.714	1	19
MT-ATP63	0.14779838	-0.2793071	1	1	1	19
GNGH12	0.15415762	0.45158501	0.357	1	1	19
MZB11	0.15415762	0.3625411	0.357	1	1	19
HIST1H2AE1	0.15625048	-0.3184473	0.429	1	1	19
FAM19A2	0.15799866	-0.4298235	0.143	0.714	1	19
CNN23	0.16103591	0.31984593	0.857	1	1	19
ENO13	0.16109322	0.35664483	1	1	1	19
ABRACL5	0.16109322	0.27496479	0.929	1	1	19
PPIA2	0.16109322	-0.2973431	0.929	1	1	19
NAAA4	0.16811769	0.40538126	0.357	1	1	19
STT3A1	0.16811769	0.33431716	0.357	1	1	19
NINJ12	0.16811769	0.29041492	0.357	1	1	19
ASAH1	0.17195022	-0.288391	0.5	1	1	19
APL21	0.17319939	-0.3393022	0.571	1	1	19
SLC9A3R14	0.17503584	0.39311328	0.786	1	1	19
Z93241.15	0.18300612	0.55969807	0.357	1	1	19
SLA2	0.18300612	0.4438461	0.357	1	1	19
FCMR5	0.18300612	0.40295574	0.357	1	1	19
TNFSF103	0.18300612	0.28585029	0.357	1	1	19
HSPA57	0.18823249	-0.4598604	0.571	0.5	1	19
TSC22D11	0.18975492	0.98907581	0.714	1	1	19
HSP90B17	0.19036203	0.36166311	0.929	0.786	1	19
NRG78	0.19885003	0.79228245	0.357	1	1	19
HIST1H2AG2	0.19885003	0.58617558	0.357	1	1	19
UBE2J14	0.20514332	0.28424847	0.643	0.571	1	19
NUC23	0.20576604	-0.2659069	0.714	0.857	1	19
VIM5	0.20638757	-0.8662001	0.929	0.929	1	19
HIST1H2BC2	0.21800322	-1.5495315	0.429	1	1	19
CIQBP1	0.22311739	0.26495403	0.786	0.786	1	19
SLC43A3	0.23050822	0.29292917	0.286	0.5	1	19
ATF35	0.2354807	-0.2817296	0.071	0.643	1	19
LSM5	0.23906864	-0.2868803	0.571	1	1	19
MDH11	0.24004049	0.26859409	0.643	0.714	1	19
CALM23	0.24107355	0.34658085	0.786	1	1	19
ANXA64	0.24126684	0.27051967	0.857	1	1	19
IGF2BP2	0.25475116	0.26255948	0.429	0.571	1	19
GUCY1B11	0.25475116	0.25921778	0.429	0.571	1	19
CCT83	0.25963184	-0.3468734	0.714	1	1	19
ERG	0.27222645	0.43905029	0.357	0.571	1	19
GSTM3	0.27592771	-0.4304494	0.071	0.643	1	19
DUSP12	0.28017858	0.38283963	0.857	0.857	1	19
PECAM13	0.29560041	0.42448895	0.429	1	1	19
P2RX12	0.29560041	0.38151888	0.429	0.571	1	19
HIF02	0.30055668	0.35651861	0.714	0.714	1	19
CD745	0.30121901	0.30831986	1	1	1	19
STMN13	0.34616379	-0.305827	0.857	1	1	19
TMSB4X1	0.34622979	-0.3003638	1	1	1	19
Clorf1624	0.35536407	-0.368143	0.214	0.429	1	19
HSH2D2	0.35536407	-0.4645263	0.214	0.429	1	19
YWHAQ4	0.37000149	0.32338652	0.786	0.857	1	19
IFNGR22	0.3759475	-0.3571671	0.143	0.429	1	19
TAL11	0.39677275	-0.2839008	0.071	0.429	1	19
PNP3	0.39677275	-0.4310929	0.071	0.429	1	19
TRBV183	0.40536274	0.27495623	0.071	0.143	1	19
DDIT44	0.4105774	0.63760709	0.286	0.571	1	19
AC011139.1	0.4105774	0.55620284	0.286	0.571	1	19
BTK1	0.41593763	0.47467829	0.429	1	1	19
13-Sep	0.41593763	0.37458482	0.429	1	1	19
PADI41	0.41593763	0.27597754	0.429	1	1	19
SPI1	0.41911173	-0.311627	0.571	1	1	19
RPS27L3	0.42007333	0.29349751	0.643	0.786	1	19
HOPX5	0.42071181	0.41956662	0.714	0.786	1	19
LIMS14	0.42071181	0.25615728	0.714	0.714	1	19
LYZ7	0.4243042	-1.2559179	0.071	0.429	1	19
HLA-DQB15	0.44712304	-0.3216203	0.643	1	1	19
AL138963.310	0.47120549	0.75833818	0.429	0.643	1	19
IGHM1	0.4757433	0.50453617	0.714	1	1	19
CORO1A3	0.4761062	0.45543893	0.786	1	1	19
FTL3	0.47634772	-0.3158264	1	1	1	19
6-Jun	0.47634772	-0.5006832	0.929	0.929	1	19
VSIR	0.5032051	0.80473273	0.571	0.929	1	19
HADH	0.5046732	0.25601153	0.714	1	1	19
FGR3	0.5073687	-0.3324569	0	0.571	1	19
AREG5	0.5073687	-0.5325259	0	0.429	1	19
CXCL84	0.5073687	-0.7444946	0	0.429	1	19
RPS4Y12	0.5073687	-0.8775628	0	0.429	1	19
ID13	0.52556437	-0.6534522	0.286	0.643	1	19
JCHAIN2	0.53029954	0.86015713	0.429	1	1	19
MEF2C4	0.53190396	0.35819158	0.5	1	1	19
LTB6	0.53309663	0.86100691	0.571	1	1	19
ILK4	0.53309663	0.65890846	0.571	1	1	19
ADA1	0.53309663	0.42110498	0.571	1	1	19
SOD23	0.55668671	-0.4303969	0.286	0.643	1	19
GATA21	0.56272524	0.49491079	0.5	1	1	19

PLSCR12	0.58868104	-0.427002	0.286	0.643	1	19
PCDH9	0.59438355	0.4570253	0.5	1	1	19
FBL3	0.59545531	0.3690553	0.571	0.857	1	19
SPINK2	0.5972229	0.37180373	0.929	1	1	19
RHOB4	0.64935486	-0.2517107	0.143	0.5	1	19
LMNA7	0.65508795	-0.6249655	0.286	0.643	1	19
LAT22	0.66001913	0.32198974	0.5	1	1	19
HDAC12	0.66094514	0.57188722	0.571	1	1	19
HLA-DPA15	0.66247185	0.28408342	1	1	1	19
PYCARD3	0.69573012	0.44928915	0.714	1	1	19
ITM2C1	0.69573012	0.29685293	0.714	1	1	19
SLC40A12	0.72913983	0.32790457	0.571	1	1	19
CSF3R2	0.75987847	-0.4678714	0.286	0.5	1	19
CD381	0.75987847	-0.6231931	0.286	0.5	1	19
XBP11	0.76253533	-0.3223272	0.429	0.714	1	19
CTSA3	0.76410039	0.39550234	0.571	1	1	19
PRDX14	0.7650747	0.25279041	0.786	0.857	1	19
S100A46	0.76519954	-0.3803604	0.929	1	1	19
SELENOP	0.798977	0.35498243	0.5	1	1	19
RAB13	0.798977	-0.3095865	0.5	0.714	1	19
PARP11	0.79954862	0.30566916	0.571	1	1	19
CD34	0.80049059	0.3665032	0.929	1	1	19
HLA-DQA15	0.827505	-0.382268	0.071	0.5	1	19
EREG3	0.86697208	-0.8383936	0.143	0.571	1	19
CLEC11A	0.86824485	-0.2505861	0.214	0.571	1	19
MIDN2	0.86824485	-0.3951077	0.214	0.571	1	19
TRBC23	0.87188957	0.27101216	0.643	1	1	19
PHGDH	0.90784301	0.34306438	0.5	1	1	19
ETS22	0.90784301	0.26991851	0.5	0.786	1	19
CLIC2	0.94277046	-0.2678534	0.143	0.571	1	19
HNRNPAB	0.94376992	-0.3564373	0.286	0.571	1	19
ZEB23	0.94441044	-0.2683621	0.429	0.643	1	19
SLC2A5	0.94462681	1.03090784	0.5	1	1	19
MCM33	0.94462681	0.31143704	0.5	0.929	1	19
ID25	0.98109324	-0.2757127	0.214	0.571	1	19
PRDX3	0.98158274	0.26329669	0.571	1	1	19
HIST1HIC5	0.9816611	-0.9667573	0.786	0.857	1	19
MAFF2	1	-0.2790278	0	0.5	1	19
ID32	1	-0.5426118	0	0.5	1	19
IGKV3-112	3.76E-05	4.32275404	0.059	1	0.07516712	20
AC233755.1	3.76E-05	1.4155288	0.059	1	0.07516712	20
IGHV1-69D	3.76E-05	0.57537191	0.059	1	0.07516712	20
IGKV3-202	0.00015926	3.61524327	0.118	1	0.3185233	20
IGHV4-41	0.0002559	2.7122572	0.118	1	0.51179062	20
IGLV2-143	0.00028376	-2.1078954	0.059	0.111	0.56751873	20
IGLV1-442	0.00050806	5.61699168	0.118	1	1	20
IGLV3-192	0.00050806	4.96058776	0.118	1	1	20
IGHV3-213	0.00050806	3.71308999	0.118	1	1	20
IGHV4-591	0.00050806	3.70890892	0.118	1	1	20
IGKV1-161	0.00050806	0.44391198	0.118	1	1	20
IGHV1-181	0.00050806	0.38989955	0.118	1	1	20
IGHV1-69	0.00153931	3.3536253	0.176	1	1	20
IGLV1-402	0.0027787	5.15455718	0.176	1	1	20
IGHV4-61	0.00405421	3.31391121	0.176	1	1	20
IGKV1D-392	0.00405421	2.33330977	0.176	1	1	20
IGKV1-391	0.00405421	0.80114779	0.176	1	1	20
IGKV1-52	0.00487376	4.39567843	0.176	0.889	1	20
RPS4Y13	0.00767922	0.25053519	0	0.222	1	20
IGHV3-111	0.00767922	-0.4447839	0	0.222	1	20
IGHV3-48	0.00767922	-2.6449676	0	0.222	1	20
IGHV3-742	0.00767922	-3.4308263	0	0.222	1	20
IGHV7-4-11	0.01929653	4.47317059	0.118	0.667	1	20
IGHV3-661	0.03092198	-0.523448	0.059	0.222	1	20
IGHV3-532	0.03092198	-0.9134148	0.059	0.222	1	20
LYZ8	0.03130239	0.49375736	0.059	0.778	1	20
CD79B2	0.05194247	-0.3632115	0.765	0.889	1	20
GAS61	0.06903515	-0.3075738	0.176	0.778	1	20
IGHV1-22	0.07857605	4.97800194	0.294	1	1	20
ATF5	0.08216949	-0.2615475	0.118	0.333	1	20
IGHV3-232	0.09328943	2.12632692	0.118	0.778	1	20
TMN14	0.09600576	-0.3561431	0.412	0.889	1	20
IGKV2D-28	0.09670429	-0.6105872	0.059	0.333	1	20
SELL5	0.10054115	-0.3774812	0.176	0.778	1	20
IGHG2	0.10678902	1.19767769	0.235	0.889	1	20
IGLV3-251	0.11255341	-1.4820997	0	0.333	1	20
IGHG31	0.1668502	-0.9566721	0.235	0.778	1	20
MT-ND64	0.17710282	-0.3120484	0.765	1	1	20
HIST1H2AH	0.19638335	-0.4175439	0.059	0.667	1	20
DUSP13	0.21354137	0.38534507	0.706	0.889	1	20
IGLV1-41	0.21428113	-0.7825727	0.059	0.222	1	20
MT-CYB3	0.21511356	-0.6314354	1	1	1	20
IGHA22	0.22892552	1.50088481	0.529	1	1	20
MT-ND4L4	0.23572905	-0.5124612	1	1	1	20
CD694	0.23921156	0.28030278	0.353	0.556	1	20
IGKV3-152	0.2424504	2.11860535	0.059	0.667	1	20
IGKC3	0.25078552	-0.4885759	0.529	1	1	20
CD3201	0.25311098	-0.3719846	0.588	0.889	1	20
HIST1H4C4	0.25762332	-0.8115655	0.882	1	1	20
IGHA12	0.25762332	-0.9500917	0.882	1	1	20
CD746	0.25770469	0.2909208	1	1	1	20
ATPIB31	0.26713292	-0.2836176	0.412	0.778	1	20
IGHG4	0.27378103	0.47175503	0.235	0.778	1	20
RRBP11	0.27941236	-0.2534342	0.706	0.889	1	20
FKBP112	0.28106227	-0.2569144	0.941	1	1	20
GPRC5D	0.29983054	-0.2745787	0.235	0.444	1	20
VIM6	0.30581671	0.47183856	1	1	1	20
HERPUD15	0.33197547	0.41712472	1	1	1	20
PSME25	0.33197547	-0.2516642	1	1	1	20

CCND2	0.34802838	-0.3020483	0.176	0.667	1	20
MT-CO23	0.38849556	-0.5566072	1	1	1	20
IGHV3-301	0.40138642	-0.5824979	0.118	0.667	1	20
PDIA62	0.41883038	-0.3493246	0.941	1	1	20
KLF103	0.44612938	0.28050599	0.588	0.667	1	20
S100A88	0.46036711	0.90685482	0.059	0.444	1	20
S100A96	0.46036711	0.6308156	0.059	0.444	1	20
IGLC31	0.46072792	-1.1811587	0.294	0.444	1	20
CITED21	0.48201447	0.30764279	0.706	1	1	20
GNG71	0.48351618	0.26674754	0.941	1	1	20
MT-ATP64	0.48351618	-0.5239949	1	1	1	20
IGKV3D-11	0.49858218	-1.2895034	0.059	0.444	1	20
IGHV1-461	0.49858218	-2.3541195	0.059	0.444	1	20
CXCR31	0.50123461	-0.3369167	0.353	0.778	1	20
MT-CO32	0.51778621	-0.435777	1	1	1	20
LINC017811	0.54942434	0.44414378	0.588	1	1	20
HIST1H1C6	0.55320375	-0.2956394	0.882	1	1	20
PPIA3	0.5532716	-0.3382903	1	1	1	20
POU2AF1	0.5899089	-0.2931377	1	1	1	20
AQP34	0.5899089	-0.3633557	1	1	1	20
IGLV3-11	0.60418031	-0.8455543	0.235	0.667	1	20
AC103591.310	0.61160594	-0.2855993	0	0.444	1	20
PCNA1	0.61160594	-0.3335656	0	0.556	1	20
AC233755.2	0.61160594	-0.4702311	0	0.556	1	20
IGLV6-571	0.61397236	-0.25163	0.353	0.556	1	20
S100A47	0.66329958	0.52614114	0.588	1	1	20
IGLC21	0.6977265	0.57062745	0.412	0.667	1	20
MYBL2	0.6977265	-0.3099419	0.412	0.667	1	20
FOS7	0.70185731	0.61256099	0.529	0.889	1	20
HIST1H2BC3	0.70324637	0.29669171	0.588	1	1	20
HIFX6	0.70324637	-0.8497163	0.588	0.778	1	20
SAT16	0.70548689	0.31483456	0.765	1	1	20
S100A105	0.70591935	0.26168834	0.882	1	1	20
LGALS17	0.70596729	0.55704805	0.941	1	1	20
MT-CO12	0.74640684	-0.5850058	1	1	1	20
ITGB14	0.77663182	0.37563607	0.294	0.667	1	20
IGHV2-51	0.80561966	-0.4425771	0.059	0.556	1	20
IGLV1-511	0.85357368	0.56680205	0.059	0.556	1	20
HIST1H2BJ1	0.86033021	-0.4285794	0.176	0.556	1	20
HIST1H1D4	0.86968127	-0.3921697	0.529	0.667	1	20
MT-ATP87	0.87154965	-0.5273716	1	1	1	20
IGKV4-12	0.9066203	-3.7777494	0.176	0.556	1	20
AC007952.46	0.91401287	-0.3874304	0.765	0.778	1	20
H2AFZ5	0.91415941	-0.2738257	0.941	1	1	20
FAM30A3	0.95475055	0.4245711	0.294	0.667	1	20
HIST1H1E4	0.95701004	-0.2559612	0.882	1	1	20
CANX4	0.95701004	-0.4802072	0.882	1	1	20
PRDM13	1	-0.2978441	0.824	0.889	1	20
SHCBP1	1	-0.4248977	0.176	0.556	1	20