

Additional file 1

Differentially-expressed proteins in sputum supernatants:

CSA-Cigarette smoking severe asthma; NH:-Normal healthy non-smoker)

Spu_soma_CSA_NH	logFC	ABS(fc)	fc	Fold chang	AveExpr t	P.Value	adj.P.Val	B	
AGR2	1.300044	1.300044	2.462363	2.462363	8.3308	6.0618	2.34E-08	2.65E-05	8.844
CSF2	1.874761	1.874761	3.667409	3.667409	9.3102	5.6617	1.41E-07	7.98E-05	7.184
HAPLN1	-1.16193	1.161928	2.237563	-2.23756	7.554	-5.277	7.53E-07	0.000212	5.642
CNTN4	-0.69233	0.692325	1.615886	-1.61589	9.7214	-5.338	5.80E-07	0.000212	5.882
TGFBR3	-1.56239	1.562392	2.953431	-2.95343	9.4868	-4.464	2.10E-05	0.004735	2.588
BCAN	-0.81267	0.812665	1.756453	-1.75645	6.5627	-4.179	6.24E-05	0.011749	1.594
FCGR2A	1.627705	1.627705	3.090211	3.090211	10.975	4.1028	8.28E-05	0.013357	1.337
CA6	-1.30516	1.305159	2.47111	-2.47111	15.614	-3.938	0.000151	0.021352	0.791
CDH3	-1.47376	1.473759	2.777446	-2.77745	15.213	-3.794	0.000253	0.028576	0.326
IBSP	-0.77846	0.778457	1.715296	-1.7153	6.9868	-3.812	0.000238	0.028576	0.383
ROBO2	-1.0908	1.090804	2.129927	-2.12993	9.5797	-3.749	0.000296	0.030384	0.184
CNTN1	-1.31258	1.312579	2.483851	-2.48385	12.572	-3.662	0.0004	0.034793	-0.09
PDIA3	1.47209	1.47209	2.774235	2.774235	12.465	3.6619	0.000401	0.034793	-0.09
CXCL8	1.313475	1.313475	2.485394	2.485394	14.996	3.5812	0.000528	0.042573	-0.34
GDF5	0.618514	0.618514	1.535293	1.535293	9.4452	3.5416	0.000604	0.04259	-0.46
SMPDL3A	0.727899	0.727899	1.656226	1.656226	12.704	3.552	0.000583	0.04259	-0.42
PRTN3	1.154806	1.154806	2.226544	2.226544	14.015	3.4843	0.000731	0.045313	-0.63
PAPPA	2.840201	2.840201	7.161198	7.161198	11.296	3.4717	0.000763	0.045313	-0.67
TNFSF15	-0.52173	0.521725	1.435671	-1.43567	7.4185	-3.49	0.000717	0.045313	-0.61
CTGF	0.994035	0.994035	1.991748	1.991748	8.4896	3.4416	0.000842	0.047559	-0.75
CSNK2A1	1.106425	1.106425	2.153114	2.153114	8.7045	3.4094	0.000937	0.050364	-0.85
SPARCL1	-1.58513	1.585132	3.000352	-3.00035	11.399	-3.385	0.001013	0.051997	-0.92
SET	-0.66887	0.668865	1.589822	-1.58982	13.152	-3.361	0.001096	0.052137	-0.99
CD207	0.663788	0.663788	1.584237	1.584237	5.8765	3.3216	0.001247	0.052137	-1.1
NXPH1	0.789209	0.789209	1.728127	1.728127	11.026	3.3281	0.001221	0.052137	-1.09
CSNK2A2	1.000022	1.000022	2.000031	2.000031	7.8692	3.358	0.001108	0.052137	-1
ADAM9	1.559155	1.559155	2.946812	2.946812	9.6011	3.3342	0.001197	0.052137	-1.07
IL6	1.668495	1.668495	3.178827	3.178827	8.7492	3.2915	0.001374	0.053475	-1.19
HIST1H1C	2.120013	2.120013	4.34698	4.34698	8.7037	3.2944	0.001361	0.053475	-1.18
EFNB3	0.469058	0.469058	1.384205	1.384205	8.0176	3.2247	0.001699	0.063952	-1.38
TYK2	0.490446	0.490446	1.404879	1.404879	11.421	3.1901	0.001895	0.069015	-1.48
CST5	-0.98604	0.986038	1.980738	-1.98074	17.137	-3.055	0.002874	0.098342	-1.84
FGF19	-0.30564	0.305638	1.235965	-1.23597	6.6035	-3.064	0.002798	0.098342	-1.82
OLR1	1.527107	1.527107	2.882074	2.882074	9.1073	3.0395	0.003017	0.100191	-1.89
CAT	1.27541	1.27541	2.420676	2.420676	13.893	3.0243	0.00316	0.101931	-1.93
SLAMF7	-0.78404	0.78404	1.721946	-1.72195	10.271	-2.963	0.003802	0.111293	-2.09
F3	0.576185	0.576185	1.490902	1.490902	7.956	2.9506	0.003943	0.111293	-2.12
SCARB2	0.610176	0.610176	1.526445	1.526445	6.6281	2.9561	0.003879	0.111293	-2.11
MMP13	1.030299	1.030299	2.042447	2.042447	8.6397	2.9638	0.003791	0.111293	-2.09
PGAM1	3.136506	3.136506	8.793919	8.793919	15.215	2.9817	0.003593	0.111293	-2.04
PLA2G10	0.900938	0.900938	1.86728	1.86728	10.203	2.8939	0.004663	0.125335	-2.27
TNFSF14	1.308149	1.308149	2.476237	2.476237	8.7359	2.896	0.004634	0.125335	-2.26
HBEGF	-0.31655	0.316552	1.245351	-1.24535	5.4418	-2.808	0.00599	0.15726	-2.49
MB	-1.00303	1.003031	2.004207	-2.00421	13.544	-2.797	0.006184	0.158683	-2.51
CALR	0.339554	0.339554	1.265366	1.265366	8.9471	2.753	0.007002	0.172765	-2.62
CD300C	0.972699	0.972699	1.962508	1.962508	11.441	2.7512	0.007039	0.172765	-2.63
IL22RA1	0.294148	0.294148	1.226161	1.226161	7.8183	2.7279	0.007518	0.180591	-2.68
CNTN5	-0.36495	0.364946	1.287833	-1.28783	6.1484	-2.72	0.007686	0.180773	-2.7
IL1RAPL2	0.32813	0.32813	1.255385	1.255385	8.3484	2.7124	0.007854	0.180966	-2.72
APCS	1.629094	1.629094	3.093187	3.093187	14.784	2.6906	0.008348	0.18849	-2.77
ERBB2	-0.47419	0.474192	1.38914	-1.38914	6.642	-2.683	0.008516	0.188527	-2.79
GPC3	-1.34983	1.349831	2.548823	-2.54882	6.7058	-2.659	0.009103	0.193595	-2.85
LAG3	-0.73226	0.732259	1.661238	-1.66124	5.4988	-2.653	0.00926	0.193595	-2.86
ICAM1	-0.47442	0.474421	1.389361	-1.38936	11.188	-2.661	0.009073	0.193595	-2.84
NACA	0.594309	0.594309	1.509749	1.509749	8.4535	2.6421	0.00955	0.196028	-2.89
CASP3	0.898456	0.898456	1.864071	1.864071	11.591	2.6325	0.009806	0.197702	-2.91
CFC1	-1.52576	1.525761	2.879385	-2.87939	11.954	-2.591	0.01098	0.203701	-3.01

OMD	-0.85683	0.856827	1.811051	-1.81105	8.5753	-2.564	0.01182	0.203701	-3.07
GZMA	-0.72813	0.728131	1.656491	-1.65649	7.1806	-2.566	0.011748	0.203701	-3.07
TYRO3	-0.36479	0.364786	1.287691	-1.28769	7.5184	-2.586	0.011135	0.203701	-3.02
EPHB6	-0.35783	0.357833	1.281499	-1.2815	8.2482	-2.578	0.011366	0.203701	-3.04
CLEC11A	-0.27454	0.274537	1.209606	-1.20961	7.1629	-2.606	0.010532	0.203701	-2.97
CD109	0.377941	0.377941	1.299486	1.299486	7.412	2.5733	0.011527	0.203701	-3.05
gp41 C34	0.506013	0.506013	1.42012	1.42012	8.1726	2.5886	0.011058	0.203701	-3.01
CTSS	0.644179	0.644179	1.56285	1.56285	16.057	2.5955	0.010853	0.203701	-3
CCDC80	1.556466	1.556466	2.941324	2.941324	12.542	2.5613	0.011908	0.203701	-3.08
CA10	-0.33826	0.338259	1.26423	-1.26423	7.9197	-2.533	0.012854	0.20439	-3.14
EPHA5	-0.20121	0.201207	1.14966	-1.14966	6.4404	-2.536	0.012743	0.20439	-3.14
TLR4	0.654175	0.654175	1.573716	1.573716	9.4181	2.5339	0.012817	0.20439	-3.14
ITGA1	0.882353	0.882353	1.843379	1.843379	14.647	2.5479	0.012345	0.20439	-3.11
PGLYRP1	1.259708	1.259708	2.394473	2.394473	10.798	2.55	0.012273	0.20439	-3.1
MFRP	0.253217	0.253217	1.191862	1.191862	8.3092	2.5222	0.013225	0.205019	-3.17
ERP29	0.596892	0.596892	1.512455	1.512455	15.723	2.5213	0.013256	0.205019	-3.17
IFNA2	-0.3318	0.331805	1.258587	-1.25859	5.4413	-2.512	0.013585	0.207263	-3.19
FGF10	-0.34593	0.345933	1.270973	-1.27097	5.4912	-2.496	0.014166	0.210436	-3.23
ACP5	1.10622	1.10622	2.152809	2.152809	13.782	2.4984	0.01409	0.210436	-3.22
MAPK9	-0.49092	0.490919	1.40534	-1.40534	9.9873	-2.474	0.015016	0.220174	-3.28
C1QBP	-0.40369	0.403694	1.322891	-1.32289	12.83	-2.469	0.015239	0.220571	-3.29
HINT1	-0.23315	0.233146	1.175395	-1.1754	5.955	-2.445	0.01623	0.228821	-3.34
PLA2G5	-0.21922	0.219224	1.164107	-1.16411	6.1696	-2.446	0.016188	0.228821	-3.34
ENTPD1	1.227964	1.227964	2.342363	2.342363	10.685	2.4403	0.016417	0.228821	-3.35
KLK3	-0.30284	0.302837	1.233568	-1.23357	5.3314	-2.434	0.016691	0.229034	-3.37
CRP	1.473143	1.473143	2.77626	2.77626	8.5579	2.4306	0.016838	0.229034	-3.37
IL25	-0.33867	0.33867	1.264591	-1.26459	5.4886	-2.415	0.017539	0.235733	-3.41
CHL1	0.499535	0.499535	1.413757	1.413757	10.009	2.4022	0.018124	0.240726	-3.44
HSPA8	-0.47517	0.475165	1.390077	-1.39008	4.9522	-2.39	0.018713	0.245664	-3.46
KIF23	-0.67211	0.672111	1.593403	-1.5934	7.8718	-2.38	0.019188	0.249006	-3.48
AK1	-1.05022	1.050217	2.070841	-2.07084	15.331	-2.366	0.019874	0.251636	-3.51
LPO	-0.73636	0.73636	1.665967	-1.66597	17.554	-2.337	0.021394	0.251636	-3.58
SPARC	-0.66563	0.665628	1.586259	-1.58626	12.793	-2.326	0.022029	0.251636	-3.6
BOC	-0.46017	0.460174	1.375707	-1.37571	5.5915	-2.33	0.02182	0.251636	-3.59
SIGLEC1	-0.37379	0.373789	1.295751	-1.29575	4.7577	-2.367	0.019825	0.251636	-3.51
TSLP	-0.22673	0.226726	1.170177	-1.17018	5.9941	-2.326	0.02202	0.251636	-3.6
ICAM2	-0.19782	0.197817	1.146961	-1.14696	7.1718	-2.33	0.021817	0.251636	-3.59
ADCYAP1	0.215765	0.215765	1.16132	1.16132	7.6411	2.3251	0.022066	0.251636	-3.6
ITGA2B	0.228927	0.228927	1.171963	1.171963	7.4192	2.329	0.02185	0.251636	-3.59
TIMP3	0.258407	0.258407	1.196157	1.196157	6.6797	2.3335	0.021603	0.251636	-3.58
CD200R1	0.417645	0.417645	1.335745	1.335745	7.1389	2.3274	0.021938	0.251636	-3.6
SIGLEC7	0.779965	0.779965	1.717089	1.717089	10.302	2.3308	0.02175	0.251636	-3.59
PDK1	-0.3236	0.323596	1.251446	-1.25145	8.6813	-2.311	0.022857	0.258057	-3.63
FASLG	-0.19801	0.198007	1.147112	-1.14711	7.1425	-2.296	0.023723	0.265176	-3.66
L1CAM	-0.37531	0.375312	1.29712	-1.29712	4.88	-2.285	0.024396	0.269576	-3.69
FGF20	-0.27484	0.274842	1.209861	-1.20986	6.0108	-2.277	0.02487	0.269576	-3.7
CCL25	-0.26878	0.268776	1.204785	-1.20479	6.1748	-2.275	0.02504	0.269576	-3.71
MMP14	-0.25704	0.257036	1.195021	-1.19502	7.1285	-2.264	0.025706	0.269576	-3.73
MAPK11	-0.21795	0.217946	1.163076	-1.16308	6.2133	-2.269	0.025423	0.269576	-3.72
ADCYAP1	0.243282	0.243282	1.183682	1.183682	8.7035	2.269	0.025393	0.269576	-3.72
AZU1	1.276741	1.276741	2.422909	2.422909	9.005	2.2628	0.025788	0.269576	-3.73
TNFSF4	-0.22527	0.225272	1.168998	-1.169	6.5612	-2.256	0.02623	0.269723	-3.75
PPA1	0.73275	0.73275	1.661803	1.661803	11.943	2.2552	0.026279	0.269723	-3.75
GSTA3	-1.00377	1.003765	2.005226	-2.00523	7.9034	-2.191	0.030747	0.272076	-3.88
CST4	-0.82715	0.827148	1.774175	-1.77417	10.773	-2.173	0.032094	0.272076	-3.91
CST2	-0.55625	0.556254	1.470446	-1.47045	17.622	-2.193	0.030589	0.272076	-3.87
LY9	-0.46721	0.467212	1.382435	-1.38243	6.5678	-2.239	0.027367	0.272076	-3.78
FOLH1	-0.3603	0.360305	1.283697	-1.2837	9.3307	-2.187	0.031023	0.272076	-3.89
HIPK3	-0.34087	0.340873	1.266522	-1.26652	8.4036	-2.187	0.031022	0.272076	-3.89

HCK	-0.29414	0.294136	1.22615	-1.22615	5.3285	-2.221	0.028607	0.272076	-3.82
NR3C1	-0.23311	0.233112	1.175368	-1.17537	5.8435	-2.229	0.028061	0.272076	-3.8
CRLF1	-0.22742	0.227424	1.170743	-1.17074	6.4587	-2.181	0.031507	0.272076	-3.9
NGF	-0.22054	0.220545	1.165173	-1.16517	5.6566	-2.173	0.032112	0.272076	-3.91
IL18RAP	-0.20194	0.201938	1.150242	-1.15024	6.8808	-2.237	0.027474	0.272076	-3.79
HDAC8	-0.20163	0.201625	1.149993	-1.14999	9.33	-2.179	0.031647	0.272076	-3.9
TACSTD2	-0.16112	0.161116	1.118151	-1.11815	6.4148	-2.172	0.03219	0.272076	-3.92
SLC25A18	0.214421	0.214421	1.160238	1.160238	7.473	2.1846	0.031232	0.272076	-3.89
DNAJC19	0.342073	0.342073	1.267577	1.267577	7.0292	2.2316	0.027854	0.272076	-3.8
MSN	0.600553	0.600553	1.516298	1.516298	12.943	2.1708	0.032292	0.272076	-3.92
IL5	0.612588	0.612588	1.529	1.529	11.045	2.2439	0.027019	0.272076	-3.77
SIRT2	0.634826	0.634826	1.55275	1.55275	12.228	2.191	0.030748	0.272076	-3.88
SSRP1	0.691195	0.691195	1.614621	1.614621	7.4533	2.1883	0.030956	0.272076	-3.88
LILRB2	0.862521	0.862521	1.818213	1.818213	9.6277	2.1938	0.030541	0.272076	-3.87
CSNK2B	1.017415	1.017415	2.024288	2.024288	11.562	2.1869	0.031056	0.272076	-3.89
PRKCB	1.175591	1.175591	2.258854	2.258854	10.049	2.2438	0.02703	0.272076	-3.77
ERAP1	1.359578	1.359578	2.566101	2.566101	11.939	2.1804	0.031553	0.272076	-3.9
GPI	1.955699	1.955699	3.879039	3.879039	13.951	2.2067	0.029603	0.272076	-3.85
COLEC12	0.230261	0.230261	1.173048	1.173048	8.9686	2.1657	0.032686	0.273356	-3.93
TOP1	0.980439	0.980439	1.973066	1.973066	8.6611	2.1616	0.033011	0.27404	-3.94
IL4R	-0.27289	0.272889	1.208225	-1.20823	5.6465	-2.147	0.034163	0.279497	-3.97
KLK4	-0.26318	0.263178	1.200119	-1.20012	6.5157	-2.147	0.034163	0.279497	-3.97
CPE	-0.60144	0.60144	1.51723	-1.51723	9.378	-2.127	0.03587	0.280859	-4.01
TPM2	-0.42638	0.426384	1.343861	-1.34386	9.7691	-2.124	0.036071	0.280859	-4.01
SCT	-0.27086	0.27086	1.206527	-1.20653	5.2753	-2.128	0.03573	0.280859	-4
ETHE1	-0.19096	0.190959	1.141522	-1.14152	7.4687	-2.134	0.035298	0.280859	-3.99
SHC1	0.64236	0.64236	1.56088	1.56088	11.559	2.1286	0.03572	0.280859	-4
GNLY	0.999946	0.999946	1.999925	1.999925	8.2587	2.134	0.035264	0.280859	-3.99
CHIT1	1.472641	1.472641	2.775295	2.775295	12.231	2.1405	0.034726	0.280859	-3.98
GZMB	0.846578	0.846578	1.79823	1.79823	6.3852	2.1215	0.036325	0.280898	-4.02
ABL1	-0.25032	0.250323	1.189474	-1.18947	5.7904	-2.114	0.036967	0.281999	-4.03
CNTFR	-0.24531	0.245305	1.185343	-1.18534	5.9887	-2.116	0.036818	0.281999	-4.03
C8A	-0.35802	0.358023	1.281669	-1.28167	9.856	-2.109	0.037418	0.283523	-4.04
CCL8	-0.29571	0.295712	1.227491	-1.22749	5.4235	-2.092	0.038979	0.286646	-4.07
FCRL3	-0.28308	0.283078	1.216788	-1.21679	7.1708	-2.096	0.038619	0.286646	-4.07
BMP1	-0.24261	0.242612	1.183133	-1.18313	5.6284	-2.089	0.03923	0.286646	-4.08
HAMP	-0.20517	0.205168	1.152821	-1.15282	6.6003	-2.088	0.039271	0.286646	-4.08
PRSS27	0.232516	0.232516	1.174882	1.174882	10.566	2.0872	0.039384	0.286646	-4.08
IDUA	0.431738	0.431738	1.348858	1.348858	15.077	2.0848	0.039607	0.286646	-4.09
FCGR1A	0.863753	0.863753	1.819766	1.819766	9.6604	2.0879	0.039323	0.286646	-4.08
OSM	-0.29183	0.291832	1.224194	-1.22419	9.4241	-2.077	0.040381	0.286731	-4.1
CNTF	-0.25374	0.253742	1.192296	-1.1923	6.5803	-2.079	0.040169	0.286731	-4.1
CCL3L1	-0.19658	0.196575	1.145975	-1.14597	8.547	-2.078	0.040202	0.286731	-4.1
MAP2K4	0.456535	0.456535	1.372242	1.372242	8.9662	2.0731	0.040712	0.287277	-4.11
AGER	-0.9553	0.955303	1.938987	-1.93899	9.5832	-2.051	0.042851	0.293301	-4.15
RTN4	-0.45448	0.454484	1.370293	-1.37029	15.881	-2.058	0.04212	0.293301	-4.14
CD97	-0.32893	0.328926	1.256078	-1.25608	9.3845	-2.059	0.042117	0.293301	-4.14
PLAUR	0.447633	0.447633	1.363801	1.363801	7.6866	2.0557	0.042391	0.293301	-4.14
LRPAP1	0.678335	0.678335	1.600291	1.600291	10.757	2.0509	0.042865	0.293301	-4.15
IGHM	-0.46219	0.462188	1.37763	-1.37763	17.526	-2.042	0.043779	0.293869	-4.17
CA2	-0.33996	0.339965	1.265725	-1.26573	5.3317	-2.037	0.04425	0.293869	-4.18
IL17D	-0.28739	0.287393	1.220433	-1.22043	7.0795	-2.042	0.043747	0.293869	-4.17
NANOG	-0.25344	0.253444	1.192049	-1.19205	5.6659	-2.047	0.043282	0.293869	-4.16
IL16	0.692479	0.692479	1.616058	1.616058	14.272	2.0385	0.044113	0.293869	-4.18
HSPA1A	0.574635	0.574635	1.489301	1.489301	15.05	2.0327	0.044706	0.293941	-4.19
ELANE	0.870962	0.870962	1.828883	1.828883	13.177	2.032	0.044781	0.293941	-4.19
PLK1	-0.26108	0.26108	1.198376	-1.19838	5.4604	-2.018	0.046269	0.300965	-4.21
IL17B	-0.19124	0.19124	1.141744	-1.14174	6.0739	-2.017	0.046384	0.300965	-4.22
PIGR	-0.51315	0.513154	1.427167	-1.42717	18.151	-2.008	0.047263	0.301467	-4.23

CDK2	-0.21493	0.214926	1.160644	-1.16064	6.6247	-2.009	0.047204	0.301467	-4.23
VEGFA	0.530851	0.530851	1.444781	1.444781	8.1601	2.0118	0.046905	0.301467	-4.23
ALPL	-0.50092	0.500921	1.415117	-1.41512	18.262	-1.998	0.048362	0.303338	-4.25
CCL1	-0.30308	0.303076	1.233772	-1.23377	10.015	-2	0.048159	0.303338	-4.25
RGMA	-0.2036	0.203601	1.151569	-1.15157	8.3141	-2.002	0.047956	0.303338	-4.24
TNFSF11	-0.27194	0.271938	1.207428	-1.20743	8.4795	-1.984	0.049921	0.309673	-4.28
CA4	-0.26954	0.269543	1.205426	-1.20543	9.0992	-1.985	0.049877	0.309673	-4.28
EDA	-0.30283	0.302835	1.233566	-1.23357	7.9027	-1.979	0.050516	0.309961	-4.29
ADAMTS4	-0.18622	0.186217	1.137776	-1.13778	6.4041	-1.98	0.050435	0.309961	-4.28
CDK5	-0.27561	0.275614	1.210509	-1.21051	8.7871	-1.976	0.050936	0.310847	-4.29
LTBR	-0.27392	0.273918	1.209087	-1.20909	10.033	-1.962	0.052508	0.31536	-4.32
MAPT	0.347988	0.347988	1.272784	1.272784	7.9615	1.9638	0.052302	0.31536	-4.31
IGHD	1.26147	1.26147	2.397399	2.397399	9.0819	1.962	0.052514	0.31536	-4.32
PDGFRB	-0.17681	0.176809	1.130381	-1.13038	6.8898	-1.959	0.052889	0.315936	-4.32
TNFSF9	-0.25644	0.256441	1.194528	-1.19453	6.0581	-1.938	0.055451	0.3227	-4.36
TPO	-0.23732	0.23732	1.178801	-1.1788	8.9676	-1.939	0.055231	0.3227	-4.36
EHMT2	0.323525	0.323525	1.251385	1.251385	9.1645	1.9403	0.055127	0.3227	-4.36
IDS	0.891107	0.891107	1.854599	1.854599	11.236	1.9379	0.055425	0.3227	-4.36
MICA	1.11137	1.11137	2.160506	2.160506	6.6435	1.9452	0.054536	0.3227	-4.35
TGM3	-1.46428	1.464279	2.759256	-2.75926	13.666	-1.887	0.062023	0.323009	-4.45
CRISP3	-1.4531	1.453099	2.737956	-2.73796	13.647	-1.889	0.061759	0.323009	-4.45
CKB_X2	-1.11564	1.115643	2.166915	-2.16692	13.315	-1.876	0.063515	0.323009	-4.47
THBS4	-0.82274	0.822735	1.768756	-1.76876	10.12	-1.882	0.06276	0.323009	-4.46
SPOCK2	-0.73628	0.736283	1.665878	-1.66588	6.0966	-1.916	0.058178	0.323009	-4.4
CST1	-0.49234	0.492336	1.406721	-1.40672	17.478	-1.92	0.057689	0.323009	-4.39
B2M	-0.45644	0.456441	1.372152	-1.37215	16.307	-1.886	0.062176	0.323009	-4.45
TFF3	-0.45624	0.456239	1.37196	-1.37196	16.652	-1.878	0.063286	0.323009	-4.47
DSG2	-0.4547	0.454702	1.3705	-1.3705	18.024	-1.881	0.062849	0.323009	-4.46
HS6ST1	-0.29965	0.299649	1.230845	-1.23085	5.8865	-1.89	0.061674	0.323009	-4.45
C3_X4	-0.2994	0.299403	1.230635	-1.23064	5.0138	-1.885	0.062328	0.323009	-4.46
Protein Re	-0.29684	0.296838	1.228449	-1.22845	6.024	-1.882	0.062764	0.323009	-4.46
ENPP7	-0.25364	0.253643	1.192214	-1.19221	5.245	-1.914	0.05849	0.323009	-4.4
FGF8	-0.24098	0.240978	1.181793	-1.18179	8.6093	-1.91	0.058966	0.323009	-4.41
SPINT1	-0.2211	0.221105	1.165626	-1.16563	7.9998	-1.876	0.063476	0.323009	-4.47
BIRC5	-0.21328	0.213281	1.159322	-1.15932	6.8407	-1.934	0.055873	0.323009	-4.37
CCL24	-0.20447	0.204467	1.15226	-1.15226	6.818	-1.93	0.056394	0.323009	-4.37
FGF9	-0.20361	0.203614	1.15158	-1.15158	5.9962	-1.902	0.060049	0.323009	-4.43
HMGCR	-0.19911	0.199115	1.147994	-1.14799	5.8214	-1.912	0.058765	0.323009	-4.41
IL10RB	-0.17852	0.178523	1.131725	-1.13172	8.0509	-1.878	0.063274	0.323009	-4.47
WFIKKN2	-0.15282	0.152819	1.111174	-1.111174	6.2439	-1.883	0.062581	0.323009	-4.46
IL3	0.161498	0.161498	1.118448	1.118448	8.774	1.8939	0.061107	0.323009	-4.44
LEP	0.24081	0.24081	1.181656	1.181656	8.7897	1.91	0.058967	0.323009	-4.41
EPHA10	0.328674	0.328674	1.255858	1.255858	5.3706	1.8985	0.060485	0.323009	-4.43
RBM39	0.907831	0.907831	1.876222	1.876222	8.5616	1.9133	0.058546	0.323009	-4.4
ICOSLG	1.255923	1.255923	2.388198	2.388198	13.685	1.8948	0.060975	0.323009	-4.44
FGR	1.367665	1.367665	2.580526	2.580526	8.8158	1.9101	0.058962	0.323009	-4.41
FUT5	1.513978	1.513978	2.855964	2.855964	13.654	1.9177	0.057975	0.323009	-4.4
ADAMTS5	-0.26537	0.265372	1.201946	-1.20195	5.7793	-1.869	0.064584	0.32479	-4.48
NOV	-0.24909	0.249094	1.188461	-1.18846	6.7409	-1.863	0.065303	0.32479	-4.49
FCN3	-0.2465	0.246497	1.186323	-1.18632	5.8757	-1.866	0.064977	0.32479	-4.49
SPHK2	-0.17825	0.178253	1.131513	-1.13151	6.7653	-1.864	0.065235	0.32479	-4.49
PTHLH	1.002118	1.002118	2.002938	2.002938	8.9584	1.8643	0.06519	0.32479	-4.49
MPO	0.438552	0.438552	1.355244	1.355244	17.194	1.8607	0.065702	0.32534	-4.5
AMHR2	-0.45063	0.450634	1.366641	-1.36664	18.287	-1.858	0.066063	0.325614	-4.5
IL17F	-0.1878	0.187801	1.139026	-1.13903	6.9919	-1.854	0.066622	0.325614	-4.51
NCK1	0.24543	0.24543	1.185446	1.185446	7.7484	1.8562	0.066346	0.325614	-4.5
MPL	-0.19433	0.194329	1.144192	-1.14419	6.128	-1.849	0.067348	0.327743	-4.52
UCHL1	-0.75678	0.756777	1.689712	-1.68971	16.418	-1.846	0.067779	0.32842	-4.52
IL34	-0.4662	0.466203	1.381468	-1.38147	9.1982	-1.838	0.068991	0.329988	-4.54

LYZ	-0.46371	0.463713	1.379087	-1.37909	16.247	-1.837	0.069084	0.329988	-4.54
LTF	-0.45607	0.456071	1.371801	-1.3718	18.322	-1.829	0.07031	0.329988	-4.55
IGHG1	-0.4051	0.405097	1.324178	-1.32418	17.908	-1.819	0.071816	0.329988	-4.57
BCAM	-0.3058	0.305798	1.236102	-1.2361	7.514	-1.828	0.070544	0.329988	-4.55
IL11RA	-0.29335	0.293349	1.225481	-1.22548	7.3808	-1.831	0.070119	0.329988	-4.55
PAK3	-0.26263	0.262631	1.199664	-1.19966	8.5428	-1.833	0.069811	0.329988	-4.55
IL12RB2	0.355946	0.355946	1.279825	1.279825	7.7573	1.8239	0.071129	0.329988	-4.56
UBE2I	0.498113	0.498113	1.412365	1.412365	14.203	1.8203	0.071675	0.329988	-4.57
IGF2R	0.541011	0.541011	1.454992	1.454992	12.759	1.8337	0.06964	0.329988	-4.54
NME2	1.295144	1.295144	2.454015	2.454015	12.776	1.8188	0.071902	0.329988	-4.57
LYN	1.415569	1.415569	2.667649	2.667649	10.325	1.8361	0.069279	0.329988	-4.54
RETN	1.568203	1.568203	2.965351	2.965351	10.055	1.8261	0.070795	0.329988	-4.56
BMPR2	-0.19035	0.19035	1.14104	-1.14104	6.6223	-1.803	0.074351	0.337119	-4.6
MSR1	0.182819	0.182819	1.1351	1.1351	8.0262	1.8057	0.073942	0.337119	-4.59
TEC	0.222217	0.222217	1.166525	1.166525	8.8415	1.8033	0.074325	0.337119	-4.6
IL17RB	-0.26789	0.267892	1.204047	-1.20405	6.8461	-1.786	0.077166	0.348482	-4.62
CST6	0.658997	0.658997	1.578984	1.578984	12.421	1.783	0.077589	0.348998	-4.63
CD22	-0.17112	0.171116	1.125929	-1.12593	8.3278	-1.774	0.079134	0.353751	-4.64
MASP1	0.247163	0.247163	1.186871	1.186871	9.042	1.7708	0.079611	0.353751	-4.65
ARSA	0.352819	0.352819	1.277054	1.277054	8.5968	1.7691	0.079899	0.353751	-4.65
PLXNC1	0.73761	0.73761	1.667412	1.667412	9.2142	1.7704	0.079674	0.353751	-4.65
KPNA2	-0.47999	0.479992	1.394736	-1.39474	9.7847	-1.763	0.080981	0.35714	-4.66
CST3	-0.44479	0.444791	1.361117	-1.36112	16.612	-1.76	0.081379	0.357497	-4.67
RASA1	-0.23931	0.239306	1.180424	-1.18042	8.7505	-1.751	0.082999	0.360412	-4.68
CD80	-0.21356	0.213558	1.159544	-1.15954	7.055	-1.75	0.083208	0.360412	-4.68
DDC	-0.19963	0.199626	1.148401	-1.1484	5.9514	-1.753	0.082636	0.360412	-4.68
XRCC6	0.759622	0.759622	1.693047	1.693047	9.0381	1.7491	0.083319	0.360412	-4.68
RAD51	-0.27994	0.279944	1.214147	-1.21415	9.2487	-1.747	0.083671	0.360551	-4.69
EPHA1	-0.14007	0.140069	1.101958	-1.10196	7.9572	-1.745	0.084075	0.360915	-4.69
CXCL3	0.884093	0.884093	1.845604	1.845604	10.171	1.7418	0.084589	0.361744	-4.7
CKM	-0.89017	0.890167	1.853391	-1.85339	10.873	-1.735	0.085868	0.36583	-4.71
HMOX2	0.558284	0.558284	1.472517	1.472517	7.8152	1.7323	0.086275	0.366181	-4.71
CD27	-0.48345	0.483449	1.398082	-1.39808	13.19	-1.72	0.088523	0.368128	-4.73
PRDX6	-0.40353	0.403528	1.322739	-1.32274	15.982	-1.724	0.087719	0.368128	-4.73
LCK	-0.15065	0.150651	1.11007	-1.11007	6.7367	-1.717	0.089026	0.368128	-4.74
HSD17B1	0.154335	0.154335	1.112908	1.112908	9.2015	1.7227	0.088002	0.368128	-4.73
GCKR	0.164245	0.164245	1.12058	1.12058	6.5793	1.7211	0.088302	0.368128	-4.73
ANGPTL4	0.384289	0.384289	1.305216	1.305216	8.5461	1.7176	0.088939	0.368128	-4.74
GAPDH	0.999942	0.999942	1.99992	1.99992	16.852	1.7154	0.089342	0.368128	-4.74
POR	1.14221	1.14221	2.207189	2.207189	11.422	1.7254	0.087515	0.368128	-4.72
LTA_X2	-0.27072	0.270715	1.206406	-1.20641	4.9295	-1.707	0.090819	0.37155	-4.75
PARK7	0.53571	0.53571	1.449655	1.449655	10.204	1.7073	0.090831	0.37155	-4.75
CD36	0.579841	0.579841	1.494684	1.494684	7.9599	1.6997	0.092264	0.37605	-4.76
TNFRSF11	-0.26787	0.267869	1.204028	-1.20403	11.32	-1.698	0.0926	0.376063	-4.77
BIRC7	-0.24058	0.240579	1.181467	-1.18147	4.7526	-1.695	0.093251	0.377349	-4.77
NTF4	-0.20694	0.206937	1.154235	-1.15423	5.6557	-1.679	0.096221	0.378378	-4.8
PLA2G2E	-0.20124	0.201242	1.149687	-1.14969	5.8791	-1.679	0.096331	0.378378	-4.8
CDK8	-0.18801	0.18801	1.139192	-1.13919	8.6215	-1.689	0.094396	0.378378	-4.78
PDE5A	0.121916	0.121916	1.088179	1.088179	8.4321	1.6795	0.096155	0.378378	-4.8
LRP8	0.148898	0.148898	1.108723	1.108723	7.1621	1.6813	0.095792	0.378378	-4.79
FCN1	0.297867	0.297867	1.229325	1.229325	10.032	1.6776	0.096522	0.378378	-4.8
DAPK2	0.509978	0.509978	1.424028	1.424028	9.6069	1.6897	0.094178	0.378378	-4.78
TIMP1	0.590205	0.590205	1.505461	1.505461	15.041	1.6804	0.095978	0.378378	-4.8
IGFBP2	1.080277	1.080277	2.114441	2.114441	8.551	1.6855	0.094978	0.378378	-4.79
TPSG1	-0.24062	0.240619	1.1815	-1.1815	6.0725	-1.674	0.097294	0.378777	-4.81
NCR2	-0.19583	0.195829	1.145382	-1.14538	4.9377	-1.675	0.09699	0.378777	-4.8
FUT3	2.171909	2.171909	4.506192	4.506192	12.84	1.6684	0.098326	0.381479	-4.81
ARG1	-0.20083	0.200831	1.14936	-1.14936	7.5584	-1.663	0.099481	0.384318	-4.82
MST1R	-0.20076	0.200756	1.149301	-1.1493	7.3423	-1.657	0.100713	0.384318	-4.83

FGF8_X2	-0.17238	0.172377	1.126914	-1.12691	5.8017	-1.653	0.101441	0.384318	-4.84
TNFSF18	-0.15731	0.157311	1.115207	-1.11521	6.5104	-1.653	0.101424	0.384318	-4.84
ABL2	0.187081	0.187081	1.138458	1.138458	8.1576	1.6607	0.099869	0.384318	-4.83
TPI1	0.294141	0.294141	1.226155	1.226155	16.145	1.6585	0.100311	0.384318	-4.83
LYN_X2	1.599678	1.599678	3.030757	3.030757	12.098	1.6544	0.101146	0.384318	-4.84
IL12B	-0.21023	0.210227	1.156871	-1.15687	5.646	-1.648	0.102468	0.386913	-4.85
RTN4R	-0.51592	0.515921	1.429907	-1.42991	9.9884	-1.635	0.105126	0.393736	-4.87
SLPI	-0.38379	0.383791	1.304766	-1.30477	17.481	-1.634	0.105322	0.393736	-4.87
ANP32B	0.526079	0.526079	1.44001	1.44001	7.2908	1.6348	0.1052	0.393736	-4.87
REN	-0.2072	0.2072	1.154446	-1.15445	7.2045	-1.627	0.106841	0.396086	-4.88
TBK1	-0.11117	0.111166	1.080101	-1.0801	6.6604	-1.626	0.107003	0.396086	-4.88
CAST	0.598231	0.598231	1.51386	1.51386	11.837	1.6269	0.106885	0.396086	-4.88
SYNCRIP	0.482687	0.482687	1.397344	1.397344	10.149	1.6211	0.108124	0.398928	-4.89
ERBB4	-0.2322	0.232195	1.174621	-1.17462	4.7061	-1.619	0.108493	0.398987	-4.89
CFD	-0.49358	0.49358	1.407935	-1.40793	10.936	-1.617	0.108904	0.399196	-4.89
PSPN	-0.2001	0.200104	1.148781	-1.14878	5.6878	-1.615	0.109461	0.399941	-4.9
VIP	-0.16398	0.163981	1.120375	-1.12037	5.7305	-1.613	0.109961	0.40047	-4.9
CGA_X4	-0.16644	0.166439	1.122285	-1.12228	4.9354	-1.61	0.110546	0.401308	-4.9
CDON	-0.39432	0.394317	1.31432	-1.31432	9.9475	-1.601	0.112565	0.403251	-4.92
ADAMTS1	-0.14892	0.148918	1.108738	-1.10874	6.0705	-1.598	0.113158	0.403251	-4.92
CDH6	0.20659	0.20659	1.153957	1.153957	8.153	1.6011	0.11247	0.403251	-4.92
CFHR5	0.296177	0.296177	1.227886	1.227886	8.5172	1.5977	0.113224	0.403251	-4.92
ESAM	0.340401	0.340401	1.266109	1.266109	9.9191	1.6019	0.112301	0.403251	-4.92
PRKACA	1.062581	1.062581	2.088664	2.088664	11.068	1.6008	0.112546	0.403251	-4.92
RPS7	0.852259	0.852259	1.805325	1.805325	10.111	1.5927	0.114351	0.405983	-4.93
GDF9	-0.27843	0.278434	1.212878	-1.21288	8.4342	-1.586	0.115831	0.408146	-4.94
INS	-0.2136	0.213596	1.159575	-1.15957	4.519	-1.585	0.116045	0.408146	-4.94
IL17A	-0.1889	0.188902	1.139896	-1.1399	5.6867	-1.587	0.115575	0.408146	-4.94
RPS27A	-0.35852	0.358518	1.282108	-1.28211	17.137	-1.583	0.116637	0.408955	-4.94
ASAH2	-0.14899	0.148993	1.108795	-1.1088	7.1927	-1.575	0.118405	0.41259	-4.96
CRK	0.426341	0.426341	1.343821	1.343821	12.14	1.5751	0.118356	0.41259	-4.96
BIRC3	-0.20174	0.201745	1.150088	-1.15009	5.579	-1.568	0.119905	0.415255	-4.97
JAK2	0.247517	0.247517	1.187162	1.187162	8.1469	1.5696	0.119637	0.415255	-4.96
CHST15	0.937145	0.937145	1.914735	1.914735	10.131	1.5665	0.120357	0.415544	-4.97
SFTPD	-0.59638	0.596379	1.511917	-1.51192	17.849	-1.562	0.121408	0.417894	-4.98
EFNA5	0.495573	0.495573	1.40988	1.40988	9.2208	1.5603	0.121817	0.418029	-4.98
IL27RA	-0.25825	0.258254	1.19603	-1.19603	8.0279	-1.558	0.122432	0.418866	-4.98
COL23A1	0.395913	0.395913	1.315775	1.315775	7.3771	1.554	0.123306	0.420583	-4.99
CADM1	-0.13834	0.138343	1.10064	-1.10064	6.3025	-1.552	0.123691	0.420622	-4.99
PPIA	-0.33802	0.338021	1.264021	-1.26402	17.761	-1.546	0.125215	0.424529	-5
PI3	-0.35065	0.350654	1.275138	-1.27514	16.125	-1.537	0.127437	0.424611	-5.01
WFIKKN1	-0.22652	0.226515	1.170005	-1.17001	5.2921	-1.544	0.125679	0.424611	-5
CHEK2	-0.17725	0.177249	1.130726	-1.13073	5.8259	-1.536	0.127724	0.424611	-5.01
BCL2L1	-0.17472	0.174717	1.128743	-1.12874	7.8733	-1.535	0.127872	0.424611	-5.01
ASGR1	-0.16915	0.169151	1.124397	-1.1244	5.544	-1.537	0.127326	0.424611	-5.01
SERPINE1	0.385846	0.385846	1.306625	1.306625	6.2054	1.5405	0.126565	0.424611	-5.01
PPP3CA	0.754685	0.754685	1.687264	1.687264	11.789	1.5409	0.126476	0.424611	-5.01
THBS1	0.567139	0.567139	1.481583	1.481583	12.504	1.5294	0.12928	0.428026	-5.02
AFM	1.252531	1.252531	2.382591	2.382591	10.796	1.5258	0.130193	0.42979	-5.03
EDA2R	0.281071	0.281071	1.215096	1.215096	7.1237	1.5162	0.132591	0.43643	-5.04
LSAMP	-0.34327	0.343268	1.268627	-1.26863	7.4934	-1.512	0.133671	0.437025	-5.05
FCGR3B	-0.30765	0.307651	1.237691	-1.23769	14.946	-1.511	0.133933	0.437025	-5.05
GHR	-0.217	0.217001	1.162315	-1.16231	6.7627	-1.513	0.133404	0.437025	-5.05
SERPINA3	-0.7362	0.736201	1.665783	-1.66578	18.024	-1.506	0.135287	0.438905	-5.06
LTA_X3	-0.15877	0.15877	1.116335	-1.11633	8.6739	-1.507	0.135012	0.438905	-5.05
SFRP1	-0.54267	0.542667	1.456663	-1.45666	7.647	-1.494	0.138374	0.440029	-5.07
FCN2	-0.19569	0.195691	1.145273	-1.14527	7.5465	-1.5	0.136721	0.440029	-5.06
ADAM12	-0.13257	0.132573	1.096247	-1.09625	6.8791	-1.492	0.138751	0.440029	-5.08
OCIAD1	0.197617	0.197617	1.146802	1.146802	8.8272	1.4952	0.13797	0.440029	-5.07

DYRK3	0.198297	0.198297	1.147344	1.147344	9.7649	1.4941	0.138261	0.440029	-5.07
ARPP19	0.365829	0.365829	1.288622	1.288622	6.6808	1.5017	0.136304	0.440029	-5.06
MRC1	0.611846	0.611846	1.528214	1.528214	12.095	1.4937	0.13837	0.440029	-5.07
SRC	0.808256	0.808256	1.751093	1.751093	10.19	1.4991	0.136957	0.440029	-5.07
TNFRSF1C	0.169427	0.169427	1.124612	1.124612	8.004	1.4907	0.13915	0.440058	-5.08
IL6ST	-0.37519	0.375189	1.29701	-1.29701	11.795	-1.472	0.144075	0.44296	-5.1
DPT	-0.27119	0.271193	1.206806	-1.20681	5.9837	-1.477	0.142853	0.44296	-5.1
PGK1	-0.26738	0.267382	1.203622	-1.20362	11.48	-1.473	0.143904	0.44296	-5.1
NOG	-0.26562	0.265619	1.202151	-1.20215	7.0381	-1.479	0.142161	0.44296	-5.09
SPINT2	-0.25957	0.259568	1.19712	-1.19712	5.8537	-1.482	0.141334	0.44296	-5.09
TG	-0.19571	0.195712	1.14529	-1.14529	6.0664	-1.484	0.141054	0.44296	-5.09
IL5RA	-0.18581	0.185812	1.137457	-1.13746	6.9367	-1.484	0.14103	0.44296	-5.09
FGFR2	-0.13718	0.137176	1.09975	-1.09975	5.8178	-1.477	0.142706	0.44296	-5.1
BMP10	0.230236	0.230236	1.173027	1.173027	9.0854	1.4727	0.143941	0.44296	-5.1
NME1	0.388206	0.388206	1.308765	1.308765	13.82	1.4803	0.141901	0.44296	-5.09
NSFL1C	0.421961	0.421961	1.339748	1.339748	8.1437	1.4696	0.144776	0.44296	-5.11
CPNE1	0.697357	0.697357	1.621532	1.621532	13.779	1.4699	0.144711	0.44296	-5.11
ROR1	-0.27975	0.279755	1.213989	-1.21399	8.3923	-1.465	0.146087	0.44452	-5.11
MEPE	-0.16994	0.169938	1.12501	-1.12501	5.8141	-1.463	0.14657	0.44452	-5.12
WNT7A	-0.15373	0.153735	1.112446	-1.11245	5.9597	-1.462	0.146861	0.44452	-5.12
IL4	-0.14996	0.149962	1.10954	-1.10954	6.7353	-1.465	0.146148	0.44452	-5.11
C3_X3	-0.59353	0.593528	1.508932	-1.50893	16.071	-1.45	0.15019	0.446221	-5.13
IL37	-0.23974	0.239741	1.180781	-1.18078	8.3231	-1.456	0.148482	0.446221	-5.13
PTH	-0.14398	0.143983	1.104951	-1.10495	5.7577	-1.453	0.149423	0.446221	-5.13
CD209	0.25708	0.25708	1.195057	1.195057	8.1278	1.4547	0.148844	0.446221	-5.13
DPP7	0.271104	0.271104	1.206731	1.206731	11.399	1.452	0.149596	0.446221	-5.13
DBNL	0.311059	0.311059	1.240618	1.240618	12.395	1.4507	0.149966	0.446221	-5.13
FAM107B	0.358378	0.358378	1.281983	1.281983	7.3795	1.4562	0.148446	0.446221	-5.13
DKK3	-0.27874	0.278736	1.213131	-1.21313	9.7717	-1.448	0.150667	0.446466	-5.14
C3	-0.3835	0.383496	1.304499	-1.3045	14.761	-1.438	0.153472	0.451225	-5.15
NID2	0.216874	0.216874	1.162213	1.162213	9.215	1.4409	0.152713	0.451225	-5.15
CCL4L1	0.834293	0.834293	1.782983	1.782983	6.8366	1.4393	0.153154	0.451225	-5.15
KLK12	-0.25017	0.250167	1.189345	-1.18934	10.568	-1.427	0.156661	0.452354	-5.17
VCAM1	-0.17673	0.176727	1.130317	-1.13032	8.9105	-1.432	0.155287	0.452354	-5.16
GPC2	-0.16533	0.165327	1.12142	-1.12142	5.9563	-1.43	0.155739	0.452354	-5.16
CD84	0.200728	0.200728	1.149278	1.149278	9.0187	1.4341	0.154626	0.452354	-5.16
POMC	0.441905	0.441905	1.358397	1.358397	6.8729	1.4328	0.155008	0.452354	-5.16
ADSL	0.452704	0.452704	1.368603	1.368603	8.9347	1.4294	0.15598	0.452354	-5.16
TNC	0.458902	0.458902	1.374495	1.374495	14.501	1.4275	0.156512	0.452354	-5.16
CCL28	-0.88091	0.880908	1.841534	-1.84153	11.595	-1.423	0.157947	0.452789	-5.17
UFC1	0.360829	0.360829	1.284164	1.284164	12.504	1.4224	0.157984	0.452789	-5.17
TFPI	0.765081	0.765081	1.699465	1.699465	7.8229	1.4223	0.158015	0.452789	-5.17
EIF4A3	0.569964	0.569964	1.484487	1.484487	8.3282	1.4112	0.161267	0.460937	-5.19
IFNL2	-0.1797	0.179702	1.13265	-1.13265	5.6769	-1.408	0.16217	0.461724	-5.19
METAP1	0.645885	0.645885	1.564699	1.564699	10.084	1.4075	0.16236	0.461724	-5.19
KIRREL3	-0.15615	0.156154	1.114312	-1.11431	5.3939	-1.405	0.163198	0.462942	-5.19
BMP6	0.156168	0.156168	1.114324	1.114324	7.9153	1.4022	0.163924	0.463836	-5.2
MAPK1	0.707364	0.707364	1.632818	1.632818	10.559	1.4002	0.164533	0.464396	-5.2
NRCAM	-0.12018	0.120175	1.086867	-1.08687	7.5715	-1.394	0.166333	0.467139	-5.21
AMN	0.259883	0.259883	1.197382	1.197382	7.2177	1.3954	0.165958	0.467139	-5.21
TIMP2	0.765001	0.765001	1.699371	1.699371	12.096	1.3925	0.166832	0.467379	-5.21
FAP	-0.28197	0.281972	1.215856	-1.21586	7.3068	-1.391	0.167355	0.46766	-5.21
HAVCR2	0.210746	0.210746	1.157286	1.157286	7.0493	1.3894	0.167761	0.46766	-5.22
CCL20	-0.2142	0.214196	1.160057	-1.16006	5.4569	-1.382	0.169878	0.472394	-5.22
NAMPT	0.76085	0.76085	1.694489	1.694489	8.6916	1.3777	0.171341	0.475293	-5.23
IL1B	0.278113	0.278113	1.212608	1.212608	7.8993	1.3754	0.172049	0.476087	-5.23
CAPN1	0.270575	0.270575	1.206289	1.206289	16.128	1.3727	0.172883	0.476457	-5.24
PIIF	0.361268	0.361268	1.284554	1.284554	10.181	1.3722	0.173027	0.476457	-5.24
EPHB4	0.169269	0.169269	1.124489	1.124489	11.433	1.3699	0.173765	0.477324	-5.24

PON1	-0.18259	0.182591	1.134921	-1.13492	5.4158	-1.363	0.175993	0.47843	-5.25
IFNL1	-0.16605	0.16605	1.121982	-1.12198	5.5196	-1.363	0.176046	0.47843	-5.25
PIIB	0.137406	0.137406	1.099926	1.099926	9.7549	1.3622	0.176171	0.47843	-5.25
RAC1	0.254253	0.254253	1.192718	1.192718	15.608	1.3618	0.176286	0.47843	-5.25
UBE2N	0.360312	0.360312	1.283704	1.283704	14.082	1.3628	0.175978	0.47843	-5.25
WIF1	-0.2109	0.210901	1.157411	-1.15741	9.1657	-1.359	0.177305	0.480041	-5.26
OLFM4	-0.36614	0.366136	1.288896	-1.2889	5.2171	-1.352	0.179318	0.484329	-5.26
TNFRSF25	-0.30837	0.308369	1.238307	-1.23831	16.451	-1.348	0.180794	0.487151	-5.27
BST1	0.681768	0.681768	1.604104	1.604104	9.5168	1.3432	0.182219	0.488659	-5.27
PGD	1.171026	1.171026	2.251717	2.251717	16.729	1.3443	0.18186	0.488659	-5.27
PCNA	-0.17361	0.173612	1.127878	-1.12788	5.1608	-1.341	0.182778	0.488996	-5.28
LMNB1	0.24279	0.24279	1.183278	1.183278	8.2673	1.3374	0.184108	0.491389	-5.28
FGF1	-0.28091	0.280915	1.214965	-1.21496	6.2259	-1.329	0.186853	0.491741	-5.29
GRAP2	0.119243	0.119243	1.086164	1.086164	7.6113	1.3307	0.186296	0.491741	-5.29
NTN4	0.240449	0.240449	1.18136	1.18136	7.0463	1.3291	0.1868	0.491741	-5.29
SERPINA3	0.257967	0.257967	1.195792	1.195792	16.382	1.3315	0.186013	0.491741	-5.29
SPHK1	0.334098	0.334098	1.260589	1.260589	6.9595	1.3341	0.185175	0.491741	-5.29
ARID3A	0.510773	0.510773	1.424813	1.424813	7.6837	1.3349	0.184919	0.491741	-5.29
SCGB2A1	-0.21827	0.218274	1.163341	-1.16334	14.452	-1.324	0.188434	0.492457	-5.3
HNRNPK	-0.14504	0.145042	1.105763	-1.10576	6.1392	-1.326	0.187848	0.492457	-5.3
CLEC11A	-0.14085	0.140853	1.102557	-1.10256	7.0571	-1.324	0.188336	0.492457	-5.3
SGTA	0.412766	0.412766	1.331236	1.331236	9.0518	1.3175	0.190666	0.497141	-5.31
IL12RB1	-0.13865	0.13865	1.100874	-1.10087	6.356	-1.316	0.191126	0.497191	-5.31
CXCL13	-0.3051	0.305095	1.2355	-1.2355	6.5604	-1.312	0.192454	0.498349	-5.31
Protein E7	-0.17697	0.17697	1.130507	-1.13051	4.9559	-1.313	0.192078	0.498349	-5.31
KLK14	0.214572	0.214572	1.16036	1.16036	10.964	1.3084	0.193693	0.500411	-5.32
MSLN	0.338781	0.338781	1.264688	1.264688	7.3442	1.3045	0.195034	0.502724	-5.32
CGA	-0.12879	0.128789	1.093376	-1.09338	6.1125	-1.297	0.19758	0.507194	-5.33
GNS	0.414703	0.414703	1.333024	1.333024	11.96	1.2957	0.198038	0.507194	-5.33
PAFAH1B	0.544114	0.544114	1.458124	1.458124	13.076	1.2955	0.198116	0.507194	-5.33
DSG1	-0.31093	0.310933	1.24051	-1.24051	10.02	-1.293	0.199015	0.507196	-5.34
PPBP_X2	0.493594	0.493594	1.407948	1.407948	11.554	1.2935	0.198791	0.507196	-5.34
NOTCH2	-0.13889	0.138887	1.101055	-1.10106	5.8903	-1.291	0.199696	0.507786	-5.34
PRL	0.200567	0.200567	1.14915	1.14915	9.5894	1.2805	0.203304	0.515798	-5.35
F2_X2	-0.49274	0.492738	1.407113	-1.40711	15.198	-1.265	0.208744	0.521398	-5.37
TMPRSS1	-0.13905	0.139046	1.101177	-1.10118	5.688	-1.272	0.206197	0.521398	-5.36
TNFSF8	-0.11254	0.11254	1.08113	-1.08113	8.0932	-1.267	0.207962	0.521398	-5.37
MAP3K7	0.195836	0.195836	1.145388	1.145388	9.1516	1.2714	0.206497	0.521398	-5.36
EEF1B2	0.276987	0.276987	1.211662	1.211662	9.1432	1.2652	0.20872	0.521398	-5.37
MAP2K2	0.34688	0.34688	1.271807	1.271807	8.6057	1.2683	0.207612	0.521398	-5.37
NMT1	0.362597	0.362597	1.285738	1.285738	10.049	1.2669	0.208117	0.521398	-5.37
PRSS3	-0.12851	0.128514	1.093167	-1.09317	6.4122	-1.263	0.209584	0.522341	-5.37
CD4	-0.11822	0.118217	1.085392	-1.08539	6.4341	-1.261	0.210275	0.522757	-5.38
MAPK12	0.230068	0.230068	1.17289	1.17289	6.0216	1.2584	0.21114	0.522757	-5.38
STK17B	0.244851	0.244851	1.184971	1.184971	10.138	1.2585	0.211109	0.522757	-5.38
CDH12	0.170157	0.170157	1.125181	1.125181	7.3656	1.2527	0.213215	0.525962	-5.39
TLR2	0.372137	0.372137	1.294269	1.294269	8.8624	1.2512	0.213743	0.525962	-5.39
CDH5	0.555725	0.555725	1.469907	1.469907	8.7632	1.2506	0.213973	0.525962	-5.39
CAPG	0.756355	0.756355	1.689218	1.689218	11.31	1.2497	0.214298	0.525962	-5.39
CD86	0.189411	0.189411	1.140298	1.140298	6.0833	1.2483	0.214804	0.526059	-5.39
MRC2	-0.22781	0.227813	1.171058	-1.17106	11.07	-1.244	0.216532	0.528306	-5.4
FGF5	0.196152	0.196152	1.145638	1.145638	6.7082	1.2429	0.216775	0.528306	-5.4
IL1R1	0.384565	0.384565	1.305466	1.305466	6.6928	1.242	0.217125	0.528306	-5.4
CCL3	0.169702	0.169702	1.124826	1.124826	6.6219	1.2386	0.218367	0.530185	-5.4
PTN	-0.96977	0.969766	1.958523	-1.95852	9.6502	-1.216	0.226856	0.535796	-5.43
CCL19	-0.18086	0.180859	1.133559	-1.13356	5.5119	-1.22	0.225391	0.535796	-5.42
LRRTM1	-0.1666	0.166602	1.122412	-1.12241	4.5504	-1.226	0.223011	0.535796	-5.42
NCR3	-0.13496	0.134962	1.098064	-1.09806	5.9289	-1.215	0.227322	0.535796	-5.43
CNTN2	-0.12996	0.129959	1.094263	-1.09426	6.3394	-1.229	0.221761	0.535796	-5.41

HIBADH	-0.10791	0.107906	1.077663	-1.07766	7.0042	-1.22	0.225173	0.535796	-5.42
KLRF1	0.125577	0.125577	1.090944	1.090944	6.4362	1.2179	0.226094	0.535796	-5.43
CDC42BP1	0.156078	0.156078	1.114254	1.114254	9.2126	1.225	0.223409	0.535796	-5.42
CLEC7A	0.179967	0.179967	1.132858	1.132858	9.1594	1.2174	0.226292	0.535796	-5.43
LAMA1	0.233785	0.233785	1.175916	1.175916	7.0667	1.2161	0.226793	0.535796	-5.43
ANXA2	0.242451	0.242451	1.183	1.183	15.884	1.2265	0.222857	0.535796	-5.42
TXNDC12	0.339854	0.339854	1.265628	1.265628	11.539	1.2274	0.222527	0.535796	-5.42
TBP	0.402995	0.402995	1.32225	1.32225	8.2118	1.2155	0.226993	0.535796	-5.43
HSPD1	0.607518	0.607518	1.523635	1.523635	11.162	1.2233	0.224079	0.535796	-5.42
FGF17	-0.16818	0.168177	1.123638	-1.12364	5.1068	-1.213	0.227837	0.535893	-5.43
TNFRSF9	-0.12227	0.122273	1.088449	-1.08845	5.8228	-1.208	0.23003	0.539925	-5.44
CLEC1B	-0.16912	0.169123	1.124375	-1.12437	5.6505	-1.206	0.230641	0.540235	-5.44
ECM1	-0.44535	0.445351	1.361645	-1.36165	11.004	-1.2	0.233116	0.541072	-5.45
CTLA4	-0.26456	0.264563	1.201272	-1.20127	4.9327	-1.196	0.234353	0.541072	-5.45
KLK5	-0.23784	0.237842	1.179228	-1.17923	5.9421	-1.201	0.232593	0.541072	-5.45
BMPR1A	-0.14925	0.14925	1.108993	-1.10899	5.1147	-1.198	0.233568	0.541072	-5.45
CXCL16	-0.1111	0.1111	1.080052	-1.08005	8.5007	-1.197	0.233986	0.541072	-5.45
CAMK1D	0.195247	0.195247	1.14492	1.14492	8.8525	1.1993	0.233213	0.541072	-5.45
CDKN1B	0.297407	0.297407	1.228933	1.228933	8.232	1.2035	0.23158	0.541072	-5.44
CCL2	-0.17844	0.178444	1.131663	-1.13166	5.8084	-1.191	0.236604	0.542932	-5.46
PLG_X1	-0.11827	0.118268	1.085431	-1.08543	6.9608	-1.19	0.236701	0.542932	-5.46
CFL1	0.422835	0.422835	1.340559	1.340559	14.695	1.1894	0.237082	0.542932	-5.46
CD163	0.720384	0.720384	1.647621	1.647621	7.0061	1.1908	0.236529	0.542932	-5.46
SELP	-0.26008	0.260076	1.197542	-1.19754	6.4552	-1.183	0.239664	0.547733	-5.47
COMMD7	0.339576	0.339576	1.265385	1.265385	9.999	1.1789	0.241226	0.550191	-5.47
LDHB	1.055334	1.055334	2.078199	2.078199	16.658	1.1767	0.242065	0.550991	-5.47
DKK1	0.397101	0.397101	1.316859	1.316859	9.3691	1.1741	0.243118	0.552274	-5.48
GDF2	0.110032	0.110032	1.079252	1.079252	6.9604	1.1725	0.243742	0.552579	-5.48
AURKA	-0.15172	0.151715	1.110889	-1.11089	8.3621	-1.171	0.244347	0.552842	-5.48
MMP17	0.204771	0.204771	1.152503	1.152503	7.6812	1.1656	0.246527	0.555392	-5.49
PRKCZ	0.45568	0.45568	1.371429	1.371429	8.827	1.1645	0.24695	0.555392	-5.49
HP	0.735192	0.735192	1.664619	1.664619	14.519	1.1653	0.246652	0.555392	-5.49
NBL1	-0.1035	0.103497	1.074374	-1.07437	6.7279	-1.162	0.247975	0.556588	-5.49
ACAN	-0.11068	0.110681	1.079738	-1.07974	6.3152	-1.161	0.248532	0.556732	-5.49
IL13	-0.12171	0.121708	1.088022	-1.08802	7.5562	-1.157	0.249898	0.557108	-5.5
MATK	0.207487	0.207487	1.154675	1.154675	6.233	1.1577	0.249731	0.557108	-5.49
CNDP2	0.220236	0.220236	1.164924	1.164924	8.5911	1.1566	0.25018	0.557108	-5.5
INHBB	-0.13391	0.133908	1.097262	-1.09726	6.037	-1.152	0.251838	0.558132	-5.5
MMEL1	0.112784	0.112784	1.081313	1.081313	8.7751	1.1518	0.252123	0.558132	-5.5
EPHB2	0.203705	0.203705	1.151652	1.151652	7.1679	1.1518	0.252107	0.558132	-5.5
CD55	0.22454	0.22454	1.168405	1.168405	14.739	1.149	0.253254	0.559537	-5.5
VEGFC	-0.13808	0.13808	1.10044	-1.10044	7.7752	-1.146	0.254355	0.560872	-5.51
C1R	-0.49692	0.496921	1.411199	-1.4112	7.1878	-1.138	0.258003	0.564987	-5.52
CTF1	-0.18585	0.185854	1.13749	-1.13749	7.6903	-1.137	0.258331	0.564987	-5.52
BCL2	-0.0911	0.091102	1.065184	-1.06518	8.1103	-1.135	0.258979	0.564987	-5.52
CHST2	0.136978	0.136978	1.0996	1.0996	6.2764	1.1326	0.260073	0.564987	-5.52
ULBP1	0.173595	0.173595	1.127865	1.127865	6.5571	1.1326	0.260059	0.564987	-5.52
PRKCA	0.18879	0.18879	1.139807	1.139807	9.0506	1.1322	0.260224	0.564987	-5.52
COL18A1	0.258372	0.258372	1.196128	1.196128	8.9804	1.1382	0.257741	0.564987	-5.52
PROC_X2	0.28332	0.28332	1.216992	1.216992	7.5073	1.1392	0.257303	0.564987	-5.51
NAGK	1.189625	1.189625	2.280935	2.280935	13.247	1.1293	0.26146	0.56658	-5.53
PLA2G2A	-0.73203	0.732028	1.660973	-1.66097	9.1759	-1.128	0.262104	0.566889	-5.53
MMP8	0.268035	0.268035	1.204167	1.204167	9.2739	1.1261	0.262778	0.567258	-5.53
EPO	-0.13189	0.131892	1.09573	-1.09573	6.0319	-1.122	0.264438	0.568889	-5.53
CA13	0.400683	0.400683	1.320133	1.320133	10.409	1.122	0.264541	0.568889	-5.53
CCL11	-0.17904	0.179045	1.132134	-1.13213	6.1807	-1.116	0.267126	0.572269	-5.54
GFRA2	0.408389	0.408389	1.327203	1.327203	11.276	1.1167	0.266784	0.572269	-5.54
ZAP70	-0.13855	0.138545	1.100795	-1.10079	10.433	-1.11	0.269557	0.574793	-5.55
PPP3R1	0.155588	0.155588	1.113875	1.113875	10.81	1.1095	0.269832	0.574793	-5.55

CD274	0.248399	0.248399	1.187888	1.187888	7.1613	1.1117	0.268905	0.574793	-5.54
KLKB1	-1.09097	1.090969	2.13017	-2.13017	10.354	-1.101	0.273484	0.577951	-5.56
TYMS	-0.50208	0.502084	1.416258	-1.41626	11.726	-1.099	0.274386	0.577951	-5.56
PEBP1	-0.19318	0.193182	1.143283	-1.14328	16.572	-1.099	0.274331	0.577951	-5.56
SEMA3A	-0.13936	0.139364	1.101419	-1.10142	6.6059	-1.102	0.273036	0.577951	-5.55
CSF1	0.282198	0.282198	1.216046	1.216046	9.2342	1.1028	0.272747	0.577951	-5.55
EIF4G2	0.454392	0.454392	1.370205	1.370205	9.5879	1.103	0.272638	0.577951	-5.55
TNF	-0.12022	0.120222	1.086902	-1.0869	6.3081	-1.095	0.275908	0.580075	-5.56
LIFR	0.377317	0.377317	1.298924	1.298924	7.1188	1.0942	0.276485	0.580208	-5.56
CBX5	-0.1092	0.1092	1.07863	-1.07863	6.7148	-1.092	0.277262	0.580759	-5.56
IL1RL1	-0.21411	0.214107	1.159985	-1.15999	4.9299	-1.088	0.279192	0.582519	-5.57
LRRTM3	-0.15404	0.154045	1.112685	-1.11268	4.6735	-1.089	0.278697	0.582519	-5.57
SPTAN1	0.225921	0.225921	1.169524	1.169524	5.7395	1.0869	0.27965	0.582519	-5.57
GPR114	-0.07964	0.079638	1.056753	-1.05675	7.7171	-1.086	0.280221	0.582634	-5.57
TNFRSF10	0.316023	0.316023	1.244894	1.244894	9.2709	1.0836	0.281131	0.58345	-5.57
ACY1	-0.48	0.480005	1.394748	-1.39475	11.677	-1.07	0.287296	0.592598	-5.59
CD40LG	-0.14816	0.148161	1.108156	-1.10816	5.2697	-1.07	0.287331	0.592598	-5.59
ESM1	0.118575	0.118575	1.085662	1.085662	7.502	1.068	0.288057	0.592598	-5.59
PLA2G1B	0.221316	0.221316	1.165796	1.165796	7.8024	1.0678	0.288163	0.592598	-5.59
ANXA6	0.337054	0.337054	1.263175	1.263175	10.119	1.0693	0.287462	0.592598	-5.59
EPS15L1	0.202336	0.202336	1.15056	1.15056	6.6584	1.0656	0.289149	0.593544	-5.59
IL27	-0.07015	0.070153	1.049828	-1.04983	7.8075	-1.064	0.289994	0.594197	-5.59
PSME3	-0.11143	0.111431	1.080299	-1.0803	6.0433	-1.058	0.292555	0.598272	-5.6
ENTPD5	0.226442	0.226442	1.169946	1.169946	8.643	1.057	0.293042	0.598272	-5.6
PLA2G7	0.352443	0.352443	1.276721	1.276721	10.129	1.0493	0.296561	0.604364	-5.61
BMP7	-0.18228	0.18228	1.134676	-1.13468	6.2477	-1.045	0.298536	0.6062	-5.61
PYY	-0.16691	0.166907	1.122649	-1.12265	4.7671	-1.045	0.298429	0.6062	-5.61
IL17RC	0.176529	0.176529	1.130161	1.130161	7.8577	1.0359	0.302734	0.610333	-5.62
PRSS2	0.325428	0.325428	1.253036	1.253036	7.2963	1.0371	0.302163	0.610333	-5.62
CAMK2A	0.473516	0.473516	1.38849	1.38849	8.4737	1.036	0.302693	0.610333	-5.62
METAP2	0.542286	0.542286	1.456278	1.456278	11.826	1.0386	0.30147	0.610333	-5.62
IL7	-0.14902	0.14902	1.108816	-1.10882	5.3422	-1.032	0.304464	0.610729	-5.63
EREG	0.107691	0.107691	1.077502	1.077502	7.6629	1.0343	0.303474	0.610729	-5.62
AKT1	0.627083	0.627083	1.54444	1.54444	12.223	1.032	0.304553	0.610729	-5.63
HFE2	-0.33888	0.33888	1.264775	-1.26477	6.9766	-1.022	0.309312	0.611327	-5.64
JAM3	-0.29405	0.294049	1.226077	-1.22608	8.9939	-1.012	0.314056	0.611327	-5.65
CA7	-0.16413	0.164125	1.120487	-1.12049	5.4238	-1.017	0.311403	0.611327	-5.64
ENG	-0.15569	0.15569	1.113954	-1.11395	4.7504	-1.019	0.310843	0.611327	-5.64
GFRA1	-0.12595	0.125952	1.091227	-1.09123	6.2363	-1.017	0.311803	0.611327	-5.64
CHRD1	-0.11235	0.112352	1.080989	-1.08099	7.4288	-1.016	0.312285	0.611327	-5.64
PIK3CG	-0.10997	0.109966	1.079203	-1.0792	9.509	-1.012	0.313759	0.611327	-5.64
IL17RD	-0.09849	0.098488	1.070651	-1.07065	6.1559	-1.012	0.313863	0.611327	-5.64
GCG	-0.09818	0.098179	1.070421	-1.07042	6.7253	-1.024	0.308336	0.611327	-5.63
NRXN1	-0.08982	0.089815	1.064234	-1.06423	6.2421	-1.014	0.312902	0.611327	-5.64
ECE1	0.092838	0.092838	1.066466	1.066466	9.2676	1.02	0.310179	0.611327	-5.64
IDE	0.123696	0.123696	1.089522	1.089522	9.1793	1.0202	0.310088	0.611327	-5.64
RPS27A_X	0.150828	0.150828	1.110207	1.110207	15.834	1.0196	0.310344	0.611327	-5.64
ATP5B	0.155728	0.155728	1.113984	1.113984	9.2148	1.0248	0.307911	0.611327	-5.63
GSTP1	0.166854	0.166854	1.122608	1.122608	14.696	1.0131	0.313423	0.611327	-5.64
MMP16	0.272965	0.272965	1.208289	1.208289	8.7101	1.0179	0.311151	0.611327	-5.64
TPSB2	0.461874	0.461874	1.37733	1.37733	8.0876	1.0238	0.308389	0.611327	-5.63
CAMK2B	0.538893	0.538893	1.452857	1.452857	9.7713	1.0038	0.317857	0.617661	-5.65
C5_X3	-0.15228	0.152281	1.111325	-1.11133	6.5805	-1.001	0.319366	0.618463	-5.66
CADM3	0.073469	0.073469	1.052244	1.052244	6.9091	1.0008	0.319301	0.618463	-5.66
CASP10	-0.29329	0.293293	1.225435	-1.22543	13.395	-0.991	0.324197	0.624517	-5.67
RET	-0.09304	0.093038	1.066614	-1.06661	7.8198	-0.993	0.323075	0.624517	-5.66
SIGLEC9	0.918187	0.918187	1.88974	1.88974	8.3515	0.9897	0.324705	0.624517	-5.67
CFP	0.997189	0.997189	1.996106	1.996106	11.351	0.9905	0.324285	0.624517	-5.67
CTSH	-0.18913	0.189129	1.140075	-1.14008	14.695	-0.985	0.327076	0.628008	-5.67

FLT3	-0.14258	0.142577	1.103875	-1.10388	9.0973	-0.983	0.327937	0.628593	-5.67
CAMKK1	-0.17071	0.170713	1.125615	-1.12561	12.176	-0.982	0.32868	0.628948	-5.67
APOE_X4	-0.40089	0.40089	1.320322	-1.32032	15.681	-0.979	0.329731	0.629892	-5.68
LGALS3BI	0.269152	0.269152	1.205099	1.205099	9.5011	0.9746	0.332067	0.633282	-5.68
SNX4	-0.41372	0.413718	1.332115	-1.33211	9.6665	-0.972	0.333502	0.634797	-5.68
LRIG3	-0.1185	0.118497	1.085603	-1.0856	5.8824	-0.97	0.334547	0.634797	-5.69
IL10	-0.10802	0.108023	1.07775	-1.07775	6.5972	-0.97	0.334535	0.634797	-5.69
ADRBK1	0.690998	0.690998	1.614399	1.614399	10.417	0.9664	0.336133	0.636735	-5.69
MED1	0.072982	0.072982	1.051888	1.051888	6.6464	0.9632	0.337766	0.638756	-5.69
BTK	-0.58446	0.584465	1.499482	-1.49948	10.423	-0.96	0.339118	0.640241	-5.69
FAM107A	-0.20352	0.203516	1.151501	-1.1515	6.9374	-0.958	0.340283	0.641369	-5.7
BGN	-0.08949	0.089493	1.063996	-1.064	6.845	-0.954	0.342319	0.644129	-5.7
MDM2	0.09935	0.09935	1.071291	1.071291	6.202	0.9529	0.342892	0.644134	-5.7
CDC37	-0.12559	0.125594	1.090957	-1.09096	5.8913	-0.951	0.343776	0.644722	-5.7
MAPK8	-0.40021	0.40021	1.3197	-1.3197	8.5529	-0.946	0.346607	0.647158	-5.71
STK16	-0.11514	0.115136	1.083077	-1.08308	9.301	-0.945	0.346794	0.647158	-5.71
HSD17B1C	0.49683	0.49683	1.41111	1.41111	9.4228	0.9459	0.346459	0.647158	-5.71
KLRK1	0.117451	0.117451	1.084816	1.084816	6.6259	0.9412	0.348838	0.648974	-5.71
DKKL1	0.148205	0.148205	1.10819	1.10819	11.023	0.9411	0.348917	0.648974	-5.71
WISP1	0.180479	0.180479	1.13326	1.13326	12.962	0.9355	0.351745	0.653158	-5.72
SLITRK5	0.353247	0.353247	1.277433	1.277433	7.987	0.9335	0.352794	0.654029	-5.72
ANGPT1	-0.1693	0.1693	1.124512	-1.12451	6.5629	-0.926	0.356507	0.655682	-5.72
ANGPT2	-0.11901	0.11901	1.08599	-1.08599	4.9704	-0.926	0.356666	0.655682	-5.72
NPPB	-0.09474	0.094739	1.067872	-1.06787	6.0384	-0.924	0.357744	0.655682	-5.73
MMP9	0.188179	0.188179	1.139325	1.139325	17.333	0.9241	0.357639	0.655682	-5.73
SCARF1	0.249515	0.249515	1.188807	1.188807	6.9364	0.9239	0.35775	0.655682	-5.73
TNFRSF1E	0.34186	0.34186	1.267389	1.267389	10.639	0.9252	0.357073	0.655682	-5.73
CSK	0.580621	0.580621	1.495493	1.495493	12.708	0.9248	0.357298	0.655682	-5.73
MAPK3	0.543017	0.543017	1.457017	1.457017	12.453	0.9208	0.359371	0.657585	-5.73
ALB	-0.21974	0.21974	1.164524	-1.16452	17.395	-0.917	0.361199	0.658794	-5.73
ULBP2	-0.10835	0.10835	1.077994	-1.07799	5.9667	-0.918	0.360929	0.658794	-5.73
SHBG	-0.52894	0.528945	1.442874	-1.44287	10.564	-0.915	0.362187	0.659497	-5.73
APOE_X3	-0.37212	0.372122	1.294255	-1.29425	14.861	-0.914	0.362753	0.659497	-5.73
LGALS2	0.094566	0.094566	1.067744	1.067744	6.6673	0.9109	0.364516	0.660576	-5.74
GSK3A	0.434022	0.434022	1.350995	1.350995	10.243	0.9117	0.364076	0.660576	-5.74
APOE_X2	-0.52431	0.524306	1.438242	-1.43824	14.303	-0.897	0.371702	0.664006	-5.75
SORCS2	-0.27749	0.277489	1.212084	-1.21208	5.8396	-0.902	0.369325	0.664006	-5.75
CFH	-0.14732	0.147319	1.10751	-1.10751	16.64	-0.905	0.367878	0.664006	-5.74
UNC5D	-0.11585	0.115854	1.083617	-1.08362	5.2514	-0.903	0.368654	0.664006	-5.74
IL20	-0.08955	0.089554	1.064041	-1.06404	6.9523	-0.897	0.371607	0.664006	-5.75
BDNF	0.153549	0.153549	1.112303	1.112303	7.2067	0.8978	0.371435	0.664006	-5.75
CYP3A4	0.163472	0.163472	1.119979	1.119979	12.779	0.8996	0.370479	0.664006	-5.75
PDE11A	0.17595	0.17595	1.129708	1.129708	9.0528	0.8981	0.371261	0.664006	-5.75
S100A9	0.301893	0.301893	1.232761	1.232761	12.639	0.9025	0.368932	0.664006	-5.75
F5	-0.44038	0.440376	1.356957	-1.35696	14.32	-0.892	0.374696	0.668297	-5.75
CHST6	-0.11152	0.111523	1.080368	-1.08037	6.0936	-0.887	0.377182	0.67	-5.76
DDR2	-0.10271	0.102708	1.073787	-1.07379	9.8626	-0.885	0.378477	0.67	-5.76
DYNLRB1	0.357693	0.357693	1.281375	1.281375	11.338	0.8857	0.377874	0.67	-5.76
CAMK2D	0.387255	0.387255	1.307902	1.307902	10.504	0.8886	0.376307	0.67	-5.76
KLK7	0.455934	0.455934	1.37167	1.37167	10.825	0.8832	0.379212	0.67	-5.76
SERPINA1	0.480515	0.480515	1.395242	1.395242	11.45	0.8839	0.37884	0.67	-5.76
LCORL	-0.11548	0.115483	1.083338	-1.08334	5.5255	-0.873	0.384845	0.67511	-5.77
AURKB	-0.0834	0.083398	1.059511	-1.05951	7.6013	-0.874	0.384157	0.67511	-5.77
SOD2	0.122353	0.122353	1.088509	1.088509	14.439	0.8723	0.385094	0.67511	-5.77
CDH1	0.354846	0.354846	1.278849	1.278849	13.863	0.8729	0.384788	0.67511	-5.77
CFB	0.531867	0.531867	1.445799	1.445799	13.144	0.8761	0.38308	0.67511	-5.77
CKB	-0.1985	0.198499	1.147504	-1.1475	7.5498	-0.869	0.386953	0.676269	-5.77
DLL1	0.34162	0.34162	1.267179	1.267179	9.3806	0.87	0.386361	0.676269	-5.77
CSF1R	-0.36388	0.363875	1.286878	-1.28688	11.024	-0.866	0.388728	0.678321	-5.78

PDGFC	-0.10619	0.106185	1.076379	-1.07638	6.3309	-0.863	0.390364	0.679597	-5.78
IL2	0.080743	0.080743	1.057563	1.057563	6.8287	0.8621	0.390663	0.679597	-5.78
DDR1	0.261265	0.261265	1.198529	1.198529	8.988	0.8537	0.395279	0.686568	-5.79
HRG	-0.28642	0.286423	1.219612	-1.21961	11.604	-0.847	0.399001	0.687188	-5.79
LGMN	-0.21392	0.213916	1.159832	-1.15983	14.974	-0.844	0.400504	0.687188	-5.79
TK1	-0.1427	0.142703	1.103972	-1.10397	8.0651	-0.846	0.399478	0.687188	-5.79
DMP1	-0.09246	0.092459	1.066186	-1.06619	6.7488	-0.846	0.399489	0.687188	-5.79
TNFRSF11	0.081688	0.081688	1.058255	1.058255	7.6516	0.8508	0.396896	0.687188	-5.79
TNFRSF17	0.377828	0.377828	1.299384	1.299384	8.6203	0.845	0.400088	0.687188	-5.79
PKM2	0.438157	0.438157	1.354873	1.354873	13.203	0.8446	0.400325	0.687188	-5.79
CCL15	0.543609	0.543609	1.457614	1.457614	11.242	0.8469	0.399057	0.687188	-5.79
MMP3	-0.19579	0.195791	1.145352	-1.14535	6.4075	-0.84	0.402623	0.689774	-5.8
P4HB	-0.09757	0.097574	1.069973	-1.06997	4.8375	-0.839	0.403562	0.690336	-5.8
PDE9A	0.205312	0.205312	1.152936	1.152936	7.2596	0.8373	0.404382	0.690693	-5.8
UFM1	0.206389	0.206389	1.153797	1.153797	11.429	0.8357	0.405309	0.69123	-5.8
MMP2	0.238141	0.238141	1.179472	1.179472	8.0215	0.8333	0.406649	0.692469	-5.8
TNFSF13E	-0.11433	0.114332	1.082474	-1.08247	7.1212	-0.83	0.408225	0.694105	-5.8
FGF23	-0.07671	0.076707	1.054608	-1.05461	6.2322	-0.827	0.41034	0.696653	-5.81
KIR2DL4	0.258104	0.258104	1.195906	1.195906	7.3229	0.8254	0.411109	0.69691	-5.81
CDH15	0.091825	0.091825	1.065718	1.065718	9.5737	0.8192	0.414575	0.69859	-5.81
PSMD7	0.281508	0.281508	1.215465	1.215465	7.8675	0.8224	0.41277	0.69859	-5.81
IL17RA	0.299001	0.299001	1.230292	1.230292	7.603	0.8211	0.41354	0.69859	-5.81
KPNB1	0.309258	0.309258	1.23907	1.23907	12.81	0.8201	0.41407	0.69859	-5.81
NAPA	0.265502	0.265502	1.202054	1.202054	14.488	0.818	0.415286	0.698745	-5.81
PSMA1	0.628924	0.628924	1.546411	1.546411	8.7657	0.8164	0.416176	0.6992	-5.82
CA1	-0.39709	0.397089	1.316848	-1.31685	9.3206	-0.812	0.418935	0.699999	-5.82
TNFRSF12	-0.1782	0.178202	1.131473	-1.13147	7.5521	-0.814	0.417689	0.699999	-5.82
BCL2A1	0.168715	0.168715	1.124057	1.124057	10.88	0.8112	0.419131	0.699999	-5.82
MAPKAPK	0.430831	0.430831	1.34801	1.34801	10.924	0.812	0.418702	0.699999	-5.82
F9	-0.43524	0.435238	1.352134	-1.35213	7.4242	-0.81	0.419754	0.700003	-5.82
APOA1	0.712515	0.712515	1.638659	1.638659	12.139	0.8087	0.420613	0.700401	-5.82
SIGLEC6	-0.1056	0.105598	1.07594	-1.07594	4.7108	-0.805	0.422823	0.703045	-5.82
RARRES2	0.589439	0.589439	1.504661	1.504661	10.679	0.7988	0.42626	0.707717	-5.83
MDH1	-0.14541	0.14541	1.106045	-1.10604	17.099	-0.796	0.427613	0.708921	-5.83
GOT1	-0.19418	0.194184	1.144077	-1.14408	11.682	-0.794	0.429185	0.709712	-5.83
GFRA3	0.059023	0.059023	1.04176	1.04176	8.073	0.7909	0.430878	0.709712	-5.84
PRKAA1	0.06949	0.06949	1.049346	1.049346	6.4793	0.7881	0.432491	0.709712	-5.84
TNFRSF17	0.257078	0.257078	1.195056	1.195056	7.0929	0.7896	0.431617	0.709712	-5.84
PFDN5	0.305151	0.305151	1.235548	1.235548	11.106	0.7929	0.429698	0.709712	-5.83
PDPK1	0.322159	0.322159	1.2502	1.2502	9.1204	0.7885	0.432247	0.709712	-5.84
BPI	0.36574	0.36574	1.288542	1.288542	15.511	0.7913	0.430612	0.709712	-5.84
Protein E7	-0.07772	0.077716	1.055346	-1.05535	8.5704	-0.785	0.43434	0.711712	-5.84
STIP1	0.18819	0.18819	1.139333	1.139333	15.488	0.7823	0.435892	0.712188	-5.84
SHH	0.297195	0.297195	1.228753	1.228753	7.7147	0.7828	0.435568	0.712188	-5.84
RBP4	0.202831	0.202831	1.150955	1.150955	10.388	0.7809	0.436666	0.712422	-5.84
SLAMF6	0.080434	0.080434	1.057336	1.057336	6.0246	0.7718	0.442015	0.720108	-5.85
PRKCQ	0.115994	0.115994	1.083721	1.083721	7.9815	0.7665	0.445142	0.724158	-5.85
EMR2	-0.10103	0.101034	1.072542	-1.07254	5.3921	-0.759	0.449887	0.729773	-5.86
ARSB	0.214896	0.214896	1.16062	1.16062	8.7795	0.759	0.449613	0.729773	-5.86
SAA1	0.292865	0.292865	1.225071	1.225071	7.9538	0.7548	0.452098	0.732308	-5.86
ESR1	0.084217	0.084217	1.060112	1.060112	7.0581	0.7536	0.452861	0.732493	-5.86
CYCS	-0.39011	0.390108	1.310491	-1.31049	9.6455	-0.747	0.456735	0.732805	-5.87
TIE1	-0.24156	0.241562	1.182272	-1.18227	8.2222	-0.746	0.45754	0.732805	-5.87
PPBP	0.187634	0.187634	1.138894	1.138894	9.0853	0.7495	0.455326	0.732805	-5.87
CTSA	0.263	0.263	1.199971	1.199971	14.406	0.7494	0.455354	0.732805	-5.87
CXCL11	0.395001	0.395001	1.314943	1.314943	6.7574	0.7466	0.457049	0.732805	-5.87
ITGAV	0.430961	0.430961	1.348131	1.348131	10.166	0.7457	0.457597	0.732805	-5.87
CXCL6	0.632222	0.632222	1.549951	1.549951	10.412	0.7479	0.45623	0.732805	-5.87
C3_X2	-0.36956	0.369559	1.291958	-1.29196	15.432	-0.742	0.459708	0.734797	-5.87

GRN	0.111014	0.111014	1.079987	1.079987	16.194	0.7414	0.460143	0.734797	-5.87
PRKCG	-0.08983	0.089825	1.064241	-1.06424	4.8374	-0.736	0.46374	0.739495	-5.88
FST	-0.05237	0.052374	1.03697	-1.03697	6.5324	-0.734	0.46477	0.739537	-5.88
PPY	0.064573	0.064573	1.045776	1.045776	6.8721	0.7333	0.465076	0.739537	-5.88
FGF4	-0.07452	0.074521	1.053011	-1.05301	5.6869	-0.729	0.467652	0.742094	-5.88
IL22	0.197224	0.197224	1.14649	1.14649	7.6509	0.7285	0.467999	0.742094	-5.88
XCL1	-0.07631	0.076306	1.054315	-1.05432	6.2016	-0.725	0.470103	0.744385	-5.88
TNFRSF13	-0.06919	0.069193	1.049129	-1.04913	6.6504	-0.721	0.472557	0.747223	-5.89
C3_X5	-0.11303	0.113028	1.081496	-1.0815	6.4887	-0.717	0.475089	0.750175	-5.89
PPID	-0.36903	0.369032	1.291486	-1.29149	9.6136	-0.711	0.478844	0.755048	-5.89
TKT	-0.12635	0.126355	1.091532	-1.09153	17.718	-0.708	0.480431	0.755744	-5.89
FGF6	-0.06868	0.068676	1.048754	-1.04875	6.3671	-0.708	0.480624	0.755744	-5.9
EIF5	0.118693	0.118693	1.085751	1.085751	8.6869	0.7065	0.481491	0.756054	-5.9
C2	-0.21932	0.219324	1.164188	-1.16419	12.318	-0.702	0.484104	0.759102	-5.9
PDE4D	0.087241	0.087241	1.062337	1.062337	8.2183	0.6972	0.487263	0.76194	-5.9
HNRNPAB	0.185628	0.185628	1.137312	1.137312	15.566	0.6979	0.48683	0.76194	-5.9
IGF1R	0.208916	0.208916	1.155819	1.155819	7.3481	0.6947	0.488847	0.763358	-5.9
IGFBP7	-0.25286	0.252858	1.191565	-1.19157	7.5292	-0.692	0.490836	0.765406	-5.91
CA9	0.10061	0.10061	1.072227	1.072227	6.6473	0.6886	0.492673	0.767116	-5.91
HTRA2	0.18049	0.18049	1.133269	1.133269	9.4659	0.6876	0.493292	0.767116	-5.91
HBA1	-0.58581	0.585814	1.500886	-1.50089	8.2653	-0.683	0.496213	0.769627	-5.91
CA3	-0.19788	0.197883	1.147014	-1.14701	6.9705	-0.682	0.496951	0.769627	-5.91
PRKCI	0.449685	0.449685	1.365742	1.365742	9.8636	0.6823	0.496599	0.769627	-5.91
LTA	0.075915	0.075915	1.054029	1.054029	6.7844	0.679	0.498664	0.771221	-5.91
XPNPEP1	0.202166	0.202166	1.150425	1.150425	7.2163	0.6757	0.500796	0.773459	-5.92
HMGB1	-0.36257	0.362571	1.285715	-1.28571	12.86	-0.658	0.512116	0.775242	-5.93
EIF5A	-0.28614	0.286136	1.21937	-1.21937	11.706	-0.662	0.509534	0.775242	-5.93
SKP1	-0.08264	0.082637	1.058952	-1.05895	9.1901	-0.664	0.508412	0.775242	-5.92
GZMH	-0.07507	0.075073	1.053414	-1.05341	6.3644	-0.671	0.503711	0.775242	-5.92
CXCL12	-0.07432	0.074321	1.052866	-1.05287	5.8392	-0.66	0.510764	0.775242	-5.93
KRAS	-0.0724	0.072398	1.051463	-1.05146	6.2557	-0.658	0.51225	0.775242	-5.93
PRKCD	-0.07026	0.070258	1.049905	-1.0499	5.7239	-0.668	0.505641	0.775242	-5.92
GDF11	0.060587	0.060587	1.04289	1.04289	7.56	0.6591	0.511325	0.775242	-5.93
BCAR3	0.081333	0.081333	1.057995	1.057995	8.9759	0.6579	0.512107	0.775242	-5.93
KDR	0.105631	0.105631	1.075965	1.075965	10.099	0.6606	0.510367	0.775242	-5.93
TNFRSF14	0.115202	0.115202	1.083127	1.083127	6.4511	0.6622	0.509337	0.775242	-5.93
TNFRSF15	0.259375	0.259375	1.19696	1.19696	10.034	0.6707	0.503959	0.775242	-5.92
CMA1	0.261093	0.261093	1.198386	1.198386	9.8464	0.6616	0.509752	0.775242	-5.93
RGMB	0.276763	0.276763	1.211473	1.211473	8.1003	0.6682	0.505527	0.775242	-5.92
CXCL1	0.489804	0.489804	1.404254	1.404254	14.068	0.6653	0.507349	0.775242	-5.92
KYNU	0.37882	0.37882	1.300278	1.300278	8.9191	0.6548	0.514054	0.776931	-5.93
CTSC	0.097102	0.097102	1.069623	1.069623	7.888	0.6503	0.516949	0.780261	-5.93
FYN	0.148847	0.148847	1.108683	1.108683	8.0037	0.6477	0.518662	0.781801	-5.93
PRKAA2	0.340746	0.340746	1.266412	1.266412	9.3047	0.6447	0.520553	0.783606	-5.94
MMP1	0.204249	0.204249	1.152086	1.152086	7.695	0.6416	0.522588	0.785621	-5.94
C5	-0.32279	0.322789	1.250746	-1.25075	7.1823	-0.639	0.524048	0.785724	-5.94
VTA1	0.21549	0.21549	1.161098	1.161098	13.132	0.64	0.523615	0.785724	-5.94
ADAMTS1	-0.26896	0.268962	1.20494	-1.20494	6.5431	-0.635	0.527059	0.786547	-5.94
MAPKAPK	0.275969	0.275969	1.210807	1.210807	10.097	0.6362	0.52607	0.786547	-5.94
MAPK13	0.358749	0.358749	1.282313	1.282313	8.8573	0.6347	0.527029	0.786547	-5.94
MMP12	0.385796	0.385796	1.306581	1.306581	9.0604	0.6342	0.527383	0.786547	-5.94
MFGE8	-0.23416	0.234165	1.176225	-1.17623	10.422	-0.63	0.529924	0.788712	-5.94
EPB41	0.290661	0.290661	1.223201	1.223201	12.281	0.6298	0.530232	0.788712	-5.95
PCSK9	-0.34104	0.34104	1.266669	-1.26667	8.6235	-0.628	0.53145	0.78937	-5.95
CLEC4M	-0.08572	0.085724	1.06122	-1.06122	15.746	-0.627	0.532073	0.78937	-5.95
IGFBP6	-0.26814	0.268138	1.204252	-1.20425	7.4002	-0.625	0.533706	0.790318	-5.95
CKAP2	-0.11708	0.11708	1.084537	-1.08454	14.169	-0.623	0.534812	0.790318	-5.95
SEMA3E	0.263849	0.263849	1.200678	1.200678	10.18	0.6237	0.534236	0.790318	-5.95
SERPINC1	-0.51305	0.513046	1.42706	-1.42706	12.449	-0.613	0.541369	0.790775	-5.96

MET	-0.32532	0.325325	1.252946	-1.25295	9.9626	-0.616	0.539089	0.790775	-5.95
F10	-0.27781	0.277812	1.212355	-1.21236	8.7228	-0.615	0.539678	0.790775	-5.95
FER	-0.2124	0.212402	1.158616	-1.15862	5.8983	-0.608	0.544227	0.790775	-5.96
DUSP3	-0.15715	0.157148	1.115081	-1.11508	6.6599	-0.618	0.538027	0.790775	-5.95
BSG	-0.10365	0.103646	1.074486	-1.07449	11.37	-0.612	0.541975	0.790775	-5.96
PRLR	-0.06774	0.067737	1.048072	-1.04807	8.775	-0.613	0.541122	0.790775	-5.96
CD48	-0.05225	0.052251	1.036882	-1.03688	6.9657	-0.61	0.543353	0.790775	-5.96
PDE3A	0.065534	0.065534	1.046472	1.046472	8.3136	0.617	0.538649	0.790775	-5.95
IL2RA	0.103979	0.103979	1.074733	1.074733	8.0383	0.6087	0.544065	0.790775	-5.96
CNDP1	0.118172	0.118172	1.085359	1.085359	10.169	0.6187	0.537526	0.790775	-5.95
STX1A	0.158971	0.158971	1.116491	1.116491	7.5344	0.6183	0.537776	0.790775	-5.95
INSR	0.21257	0.21257	1.158751	1.158751	6.6503	0.6101	0.543189	0.790775	-5.96
DLL4	-0.05606	0.056059	1.039622	-1.03962	6.6639	-0.606	0.54563	0.791795	-5.96
F10_X2	-0.26348	0.263477	1.200368	-1.20037	9.2102	-0.593	0.554679	0.796026	-5.97
FGFR1	-0.10971	0.109712	1.079013	-1.07901	8.2511	-0.595	0.553351	0.796026	-5.97
EIF4EBP2	-0.07223	0.072228	1.051339	-1.05134	5.5955	-0.595	0.552923	0.796026	-5.97
PROK1	-0.07137	0.071373	1.050716	-1.05072	6.1493	-0.593	0.554272	0.796026	-5.97
TNFRSF6E	0.066702	0.066702	1.04732	1.04732	6.1524	0.5926	0.554787	0.796026	-5.97
SELL	0.177296	0.177296	1.130763	1.130763	13.561	0.596	0.552484	0.796026	-5.97
TNNI2	0.220349	0.220349	1.165015	1.165015	10.88	0.5924	0.554892	0.796026	-5.97
DKK4	0.223978	0.223978	1.16795	1.16795	9.4301	0.5973	0.551626	0.796026	-5.96
CD5L	0.333685	0.333685	1.260228	1.260228	14.699	0.5995	0.550158	0.796026	-5.96
PA2G4	0.204982	0.204982	1.152672	1.152672	12.489	0.5889	0.557246	0.79839	-5.97
AHSG	-0.15397	0.153971	1.112628	-1.11263	13.97	-0.586	0.559116	0.798466	-5.97
PTPN2	0.129809	0.129809	1.094149	1.094149	7.2638	0.5837	0.560724	0.798466	-5.97
MMP10	0.15117	0.15117	1.11047	1.11047	7.9203	0.5853	0.559665	0.798466	-5.97
ALCAM	0.154023	0.154023	1.112668	1.112668	12.916	0.5835	0.560836	0.798466	-5.97
AMH	0.297853	0.297853	1.229314	1.229314	13.295	0.5861	0.55911	0.798466	-5.97
ANGPTL3	0.044184	0.044184	1.0311	1.0311	6.9288	0.5811	0.56246	0.79977	-5.97
KRT18	-0.07021	0.070214	1.049872	-1.04987	5.3382	-0.578	0.564755	0.800011	-5.98
KAT6A	0.083637	0.083637	1.059686	1.059686	8.446	0.5782	0.564421	0.800011	-5.98
PTPN1	0.19021	0.19021	1.14093	1.14093	12.161	0.5789	0.56393	0.800011	-5.97
FABP3	0.25586	0.25586	1.194048	1.194048	8.2049	0.5743	0.567026	0.80222	-5.98
CCNB1	0.080684	0.080684	1.05752	1.05752	6.1413	0.5722	0.568491	0.803287	-5.98
PIM1	0.065199	0.065199	1.046229	1.046229	7.3571	0.5687	0.570846	0.805607	-5.98
PROC	-0.08644	0.086443	1.061749	-1.06175	8.3094	-0.565	0.573343	0.807536	-5.98
PSMA2	0.194192	0.194192	1.144083	1.144083	7.4875	0.5645	0.573644	0.807536	-5.98
LGALS4	-0.0338	0.033805	1.023708	-1.02371	7.7864	-0.561	0.575849	0.808623	-5.98
FGF2	0.124671	0.124671	1.090259	1.090259	7.6708	0.5615	0.57568	0.808623	-5.98
CLU	-0.30631	0.306305	1.236537	-1.23654	10.747	-0.557	0.578885	0.810454	-5.99
FN1_X3	-0.23971	0.239713	1.180758	-1.18076	13.351	-0.551	0.582696	0.810454	-5.99
YES1	-0.18208	0.182082	1.13452	-1.13452	8.683	-0.553	0.581631	0.810454	-5.99
CGA_X3	-0.11628	0.116283	1.083939	-1.08394	6.2723	-0.555	0.580357	0.810454	-5.99
RSPO2	-0.06512	0.06512	1.046172	-1.04617	6.3245	-0.55	0.583202	0.810454	-5.99
CMPK1	0.078015	0.078015	1.055565	1.055565	10.029	0.5503	0.583321	0.810454	-5.99
CCL22	0.153915	0.153915	1.112584	1.112584	6.0766	0.5521	0.582107	0.810454	-5.99
LGALS8	0.155994	0.155994	1.114189	1.114189	7.8534	0.5568	0.578888	0.810454	-5.99
DCTPP1	0.18518	0.18518	1.136959	1.136959	12.067	0.5499	0.583613	0.810454	-5.99
CPB2	-0.33021	0.330214	1.2572	-1.2572	10.008	-0.533	0.595546	0.811059	-6
FTH1	-0.29719	0.297193	1.228751	-1.22875	10.522	-0.533	0.595425	0.811059	-6
APOE	-0.23675	0.236749	1.178335	-1.17833	9.9973	-0.539	0.590797	0.811059	-6
EPHA2	-0.15876	0.158755	1.116323	-1.11632	9.4396	-0.536	0.593114	0.811059	-6
SERPINA4	-0.15292	0.152918	1.111816	-1.11182	16.213	-0.53	0.59705	0.811059	-6
LIN7B	-0.14698	0.146979	1.107249	-1.10725	7.8706	-0.535	0.594102	0.811059	-6
IL1A	-0.13394	0.133942	1.097288	-1.09729	7.6031	-0.537	0.592365	0.811059	-6
PLAU	-0.09149	0.091492	1.065472	-1.06547	7.0221	-0.542	0.588733	0.811059	-5.99
APOD	0.050991	0.050991	1.035977	1.035977	10.889	0.5313	0.59639	0.811059	-6
NPPA	0.058765	0.058765	1.041574	1.041574	7.0022	0.5294	0.597698	0.811059	-6
PCSK7	0.063334	0.063334	1.044877	1.044877	7.5431	0.5363	0.592945	0.811059	-6

PGF	0.074815	0.074815	1.053226	1.053226	6.3995	0.5409	0.58977	0.811059	-6
PDE2A	0.076621	0.076621	1.054546	1.054546	11.273	0.5432	0.588163	0.811059	-5.99
CCL16	0.212566	0.212566	1.158747	1.158747	5.9781	0.5299	0.597345	0.811059	-6
NAAA	0.228872	0.228872	1.171918	1.171918	12.078	0.5332	0.595037	0.811059	-6
SERPINA7	0.275974	0.275974	1.210811	1.210811	14.416	0.5419	0.589103	0.811059	-5.99
IGFBP5	0.31792	0.31792	1.246532	1.246532	13.178	0.5409	0.589772	0.811059	-6
VWF	0.362063	0.362063	1.285262	1.285262	11.371	0.5393	0.590895	0.811059	-6
LBP	0.39077	0.39077	1.311093	1.311093	12.459	0.5397	0.590581	0.811059	-6
TGFB3	0.131891	0.131891	1.095729	1.095729	7.4485	0.5279	0.598718	0.811467	-6
HPGD	-0.21402	0.214024	1.159919	-1.15992	11.893	-0.526	0.600326	0.812102	-6
IL24	-0.04769	0.047685	1.033605	-1.03361	6.3229	-0.525	0.600625	0.812102	-6
TGFB1	-0.05517	0.055169	1.038981	-1.03898	8.8592	-0.522	0.602884	0.813209	-6
BMX	-0.04565	0.045649	1.032147	-1.03215	6.6828	-0.522	0.602701	0.813209	-6
CCL13	0.108265	0.108265	1.077931	1.077931	6.636	0.5184	0.605318	0.814063	-6.01
IGHE	0.214656	0.214656	1.160427	1.160427	6.8808	0.5179	0.60568	0.814063	-6.01
PTPN11	0.326862	0.326862	1.254282	1.254282	9.7356	0.5196	0.604501	0.814063	-6.01
MBD4	0.051066	0.051066	1.03603	1.03603	6.9526	0.5141	0.608324	0.816644	-6.01
GDI2	0.09394	0.09394	1.067281	1.067281	17.333	0.5116	0.610068	0.818013	-6.01
PTK6	-0.08075	0.080749	1.057567	-1.05757	5.9965	-0.506	0.613888	0.819612	-6.01
GP1BA	-0.05485	0.054845	1.038748	-1.03875	6.5205	-0.507	0.612933	0.819612	-6.01
DIABLO	0.087632	0.087632	1.062624	1.062624	10.02	0.508	0.612528	0.819612	-6.01
HDGFRP2	0.102324	0.102324	1.073501	1.073501	7.5522	0.5057	0.614165	0.819612	-6.01
F9_X2	-0.21886	0.218862	1.163815	-1.16382	7.3934	-0.504	0.615437	0.820113	-6.01
IL19	-0.10773	0.107725	1.077528	-1.07753	6.5128	-0.503	0.615993	0.820113	-6.01
PRSS1	-0.25977	0.259774	1.197291	-1.19729	9.2404	-0.501	0.617516	0.821173	-6.02
DDX19B	0.058123	0.058123	1.041111	1.041111	7.0904	0.4955	0.621352	0.822399	-6.02
HGF	0.075309	0.075309	1.053587	1.053587	7.153	0.4967	0.620498	0.822399	-6.02
FGF12	0.1257	0.1257	1.091037	1.091037	6.2085	0.4956	0.621263	0.822399	-6.02
PLCG1	0.217358	0.217358	1.162603	1.162603	7.2663	0.4984	0.619313	0.822399	-6.02
LAYN	0.074821	0.074821	1.05323	1.05323	8.2465	0.491	0.624515	0.82515	-6.02
PDE7A	0.090829	0.090829	1.064982	1.064982	6.1488	0.4904	0.624892	0.82515	-6.02
MAP2K1	0.171126	0.171126	1.125937	1.125937	7.5219	0.489	0.62588	0.825489	-6.02
ACVR1B	-0.09621	0.096207	1.068959	-1.06896	6.6751	-0.487	0.627525	0.826693	-6.02
PDGFA	0.044504	0.044504	1.031328	1.031328	6.7435	0.4799	0.632331	0.830118	-6.03
NCR1	0.124202	0.124202	1.089905	1.089905	9.4225	0.482	0.630863	0.830118	-6.02
SOD1	0.135677	0.135677	1.098608	1.098608	8.2564	0.4809	0.631634	0.830118	-6.02
GPT	-0.11832	0.118323	1.085473	-1.08547	13.883	-0.473	0.636914	0.831302	-6.03
NLGN4X	-0.04379	0.043788	1.030817	-1.03082	5.7092	-0.474	0.636516	0.831302	-6.03
CTSD	0.154113	0.154113	1.112737	1.112737	14.832	0.4752	0.635643	0.831302	-6.03
IL6R	0.159746	0.159746	1.11709	1.11709	9.1196	0.4742	0.636404	0.831302	-6.03
CXCL10	0.249279	0.249279	1.188613	1.188613	7.3862	0.4739	0.636589	0.831302	-6.03
CSF3R	-0.04888	0.048881	1.034462	-1.03446	7.3751	-0.471	0.638673	0.831675	-6.03
GSN	0.19148	0.19148	1.141935	1.141935	15.821	0.4716	0.638239	0.831675	-6.03
NOTCH1	0.175355	0.175355	1.129243	1.129243	6.9318	0.4663	0.642018	0.834106	-6.03
MAPK14	0.243512	0.243512	1.183871	1.183871	11.638	0.4666	0.641763	0.834106	-6.03
TPT1	0.092911	0.092911	1.06652	1.06652	16.589	0.4645	0.643303	0.834814	-6.03
PTGS2	-0.20133	0.201332	1.14976	-1.14976	9.2227	-0.46	0.646299	0.836333	-6.03
FGFR4	0.046719	0.046719	1.032913	1.032913	7.8801	0.4598	0.646613	0.836333	-6.03
SERPINE2	0.133026	0.133026	1.096591	1.096591	9.6031	0.4597	0.646695	0.836333	-6.03
RB1	-0.05246	0.052461	1.037032	-1.03703	8.4457	-0.457	0.648447	0.837367	-6.04
POMC_X2	-0.05172	0.051722	1.036501	-1.0365	6.3018	-0.457	0.648989	0.837367	-6.04
IL18R1	0.13056	0.13056	1.094719	1.094719	8.1889	0.4555	0.64972	0.837367	-6.04
KLK6	0.072764	0.072764	1.05173	1.05173	10.234	0.4545	0.650464	0.837371	-6.04
HPX	0.272316	0.272316	1.207745	1.207745	9.1691	0.4531	0.651425	0.837652	-6.04
NCAM1	-0.15296	0.152964	1.111851	-1.11185	7.4239	-0.449	0.65411	0.83824	-6.04
FGFR3	-0.04968	0.049678	1.035034	-1.03503	7.5481	-0.449	0.65407	0.83824	-6.04
LY86	0.116548	0.116548	1.084138	1.084138	15.368	0.4506	0.653223	0.83824	-6.04
AGRP	-0.06994	0.069936	1.04967	-1.04967	6.2427	-0.447	0.655589	0.839184	-6.04
TNFRSF18	-0.03401	0.034009	1.023853	-1.02385	7.2107	-0.443	0.658585	0.842064	-6.04

CD226	0.041286	0.041286	1.02903	1.02903	7.4616	0.4374	0.662732	0.845451	-6.04
STC1	0.420291	0.420291	1.338197	1.338197	8.9121	0.4377	0.662568	0.845451	-6.04
SBDS	-0.11013	0.110135	1.079329	-1.07933	9.4939	-0.428	0.669599	0.849956	-6.05
NTRK2	-0.07883	0.078831	1.056162	-1.05616	5.4195	-0.427	0.670027	0.849956	-6.05
NID1	-0.07297	0.072971	1.051881	-1.05188	6.309	-0.43	0.668369	0.849956	-6.05
DCTN2	0.053601	0.053601	1.037852	1.037852	6.5004	0.4298	0.668267	0.849956	-6.05
ING1	0.126252	0.126252	1.091455	1.091455	9.3213	0.4282	0.669452	0.849956	-6.05
IL3RA	-0.04028	0.040278	1.028312	-1.02831	7.0571	-0.426	0.670788	0.849967	-6.05
NUDCD3	0.13336	0.13336	1.096845	1.096845	6.7175	0.4243	0.672225	0.850832	-6.05
COL8A1	-0.1102	0.110199	1.079377	-1.07938	6.2195	-0.422	0.674156	0.852077	-6.05
IL18BP	-0.05221	0.052211	1.036853	-1.03685	6.4538	-0.421	0.674718	0.852077	-6.05
CTSG	0.216385	0.216385	1.161818	1.161818	12.193	0.4162	0.678153	0.855458	-6.05
CX3CL1	-0.10911	0.109108	1.078561	-1.07856	8.5094	-0.413	0.680573	0.856098	-6.05
IGFBP3	-0.09026	0.090261	1.064563	-1.06456	8.0518	-0.411	0.681694	0.856098	-6.05
ICOS	0.047191	0.047191	1.033251	1.033251	7.3835	0.4115	0.681571	0.856098	-6.05
CFI	0.417623	0.417623	1.335725	1.335725	13.275	0.4116	0.681534	0.856098	-6.05
APP	0.354582	0.354582	1.278615	1.278615	8.4268	0.4094	0.683079	0.856885	-6.06
TNFSF12	-0.10229	0.102292	1.073477	-1.07348	8.2874	-0.408	0.684405	0.857167	-6.06
IL1RAP	0.093098	0.093098	1.066658	1.066658	9.7145	0.4071	0.684823	0.857167	-6.06
RPS3	0.119892	0.119892	1.086654	1.086654	7.1715	0.4045	0.686707	0.858574	-6.06
THBS2	0.113144	0.113144	1.081582	1.081582	7.0451	0.4017	0.688761	0.860189	-6.06
MIA	0.362375	0.362375	1.28554	1.28554	12.66	0.3965	0.692607	0.864037	-6.06
CHEK1	-0.03883	0.038832	1.027281	-1.02728	7.0194	-0.395	0.693556	0.864266	-6.06
IL22RA2	-0.05765	0.05765	1.040769	-1.04077	5.6038	-0.392	0.695906	0.865284	-6.06
PSME1	0.110941	0.110941	1.079932	1.079932	14.727	0.3926	0.695439	0.865284	-6.06
IMPDH2	0.071953	0.071953	1.051139	1.051139	11.971	0.3908	0.696778	0.865416	-6.06
RPSA	-0.09261	0.092612	1.066299	-1.0663	9.679	-0.388	0.699001	0.867222	-6.06
FRZB	-0.08278	0.082783	1.059059	-1.05906	9.62	-0.385	0.701384	0.86857	-6.06
CST7	0.048819	0.048819	1.034418	1.034418	6.4389	0.3842	0.701626	0.86857	-6.06
SERPINA6	0.043567	0.043567	1.030659	1.030659	7.1999	0.3814	0.703672	0.870149	-6.07
INHBA	0.143946	0.143946	1.104923	1.104923	10.648	0.3783	0.706016	0.872092	-6.07
FN1_X2	-0.17363	0.173628	1.127891	-1.12789	12.771	-0.377	0.706897	0.872226	-6.07
ICAM5	0.215156	0.215156	1.160829	1.160829	7.6843	0.3732	0.709748	0.874787	-6.07
FGF18	-0.06077	0.060773	1.043024	-1.04302	6.1734	-0.369	0.713253	0.875285	-6.07
EPOR	-0.03817	0.038166	1.026808	-1.02681	5.6552	-0.37	0.712485	0.875285	-6.07
GFAP	-0.03332	0.033322	1.023366	-1.02337	6.8195	-0.371	0.711061	0.875285	-6.07
TEK	-0.02747	0.027468	1.019222	-1.01922	6.7755	-0.37	0.711786	0.875285	-6.07
LEPR	0.078694	0.078694	1.056062	1.056062	6.5791	0.3646	0.716185	0.876977	-6.07
AKR1A1	0.130655	0.130655	1.09479	1.09479	15.927	0.3655	0.715529	0.876977	-6.07
AIMP1	-0.0943	0.094296	1.067544	-1.06754	9.8548	-0.361	0.71862	0.878989	-6.07
CCL27	0.035991	0.035991	1.025261	1.025261	6.7219	0.3603	0.719385	0.878989	-6.07
CAMK1	0.066004	0.066004	1.046813	1.046813	11.351	0.3571	0.721734	0.880906	-6.07
ICAM3	0.043434	0.043434	1.030564	1.030564	8.4967	0.3535	0.724466	0.881652	-6.08
PRDX5	0.132172	0.132172	1.095942	1.095942	9.5165	0.3532	0.724688	0.881652	-6.08
FGG	0.199616	0.199616	1.148393	1.148393	13.451	0.3551	0.723248	0.881652	-6.08
HSP90AA	-0.10532	0.105318	1.075732	-1.07573	17.169	-0.352	0.725554	0.881755	-6.08
VEGFA_X2	-0.09575	0.095752	1.068623	-1.06862	8.5049	-0.348	0.728474	0.883402	-6.08
SCARF2	0.036747	0.036747	1.025798	1.025798	6.7228	0.349	0.727824	0.883402	-6.08
KIT	0.071582	0.071582	1.050868	1.050868	9.4166	0.3454	0.73053	0.884066	-6.08
NRP1	0.120884	0.120884	1.087401	1.087401	9.3815	0.3453	0.730588	0.884066	-6.08
PSMA6	-0.09079	0.090787	1.064951	-1.06495	7.2819	-0.343	0.732098	0.884945	-6.08
ARTN	0.027187	0.027187	1.019023	1.019023	6.9594	0.3418	0.733205	0.885045	-6.08
CD200	0.032622	0.032622	1.022869	1.022869	7.1932	0.3411	0.733748	0.885045	-6.08
BMPER	-0.03345	0.033447	1.023454	-1.02345	6.2354	-0.338	0.735917	0.885768	-6.08
SNRPF	0.091388	0.091388	1.065395	1.065395	10.178	0.3391	0.735265	0.885768	-6.08
CCL14	-0.15297	0.152972	1.111858	-1.11186	7.3238	-0.334	0.738958	0.887109	-6.08
PPIE	-0.13706	0.137062	1.099663	-1.09966	7.8946	-0.334	0.739369	0.887109	-6.08
JAG2	-0.03325	0.033254	1.023318	-1.02332	6.374	-0.334	0.739388	0.887109	-6.08
C5_X2	0.189164	0.189164	1.140103	1.140103	10.825	0.3325	0.740208	0.887149	-6.08

C4A	-0.17303	0.173026	1.127421	-1.12742	15.37	-0.331	0.74141	0.887648	-6.08
CDNF	-0.08616	0.086163	1.061543	-1.06154	7.0096	-0.325	0.745946	0.892133	-6.09
PRDX1	0.082044	0.082044	1.058516	1.058516	16.267	0.3236	0.746891	0.892318	-6.09
CTSV	0.123907	0.123907	1.089682	1.089682	10.092	0.3225	0.747747	0.892395	-6.09
SELE	0.080864	0.080864	1.057651	1.057651	8.4821	0.3198	0.749811	0.893914	-6.09
FLT3LG	-0.04363	0.043633	1.030706	-1.03071	7.4903	-0.318	0.751408	0.89393	-6.09
OPCML	0.032382	0.032382	1.022699	1.022699	9.8964	0.3184	0.750873	0.89393	-6.09
CTSZ	-0.23882	0.238822	1.180029	-1.18003	8.6919	-0.308	0.758652	0.895004	-6.09
TGFB2	-0.10326	0.103257	1.074196	-1.0742	7.371	-0.311	0.75659	0.895004	-6.09
C1S	-0.06299	0.062991	1.044629	-1.04463	13.885	-0.31	0.757553	0.895004	-6.09
IL15RA	-0.03349	0.033494	1.023488	-1.02349	7.6873	-0.315	0.753519	0.895004	-6.09
NR1D1	0.028366	0.028366	1.019856	1.019856	6.1691	0.314	0.754152	0.895004	-6.09
TGFBI	0.113869	0.113869	1.082127	1.082127	13.51	0.3097	0.757432	0.895004	-6.09
LILRB1	0.135342	0.135342	1.098353	1.098353	9.6251	0.3089	0.758018	0.895004	-6.09
SERPINA5	0.231076	0.231076	1.17371	1.17371	12.346	0.311	0.75645	0.895004	-6.09
SERPINF2	-0.17967	0.179665	1.132621	-1.13262	7.5426	-0.306	0.760325	0.895106	-6.09
ACP1	-0.11764	0.117643	1.084961	-1.08496	9.3633	-0.306	0.760288	0.895106	-6.09
CD33	-0.06576	0.065764	1.046639	-1.04664	5.4823	-0.3	0.764996	0.895146	-6.09
CCL7	-0.04814	0.04814	1.033931	-1.03393	5.7155	-0.3	0.765116	0.895146	-6.09
ROBO3	-0.0329	0.0329	1.023067	-1.02307	6.1542	-0.302	0.762992	0.895146	-6.09
COTL1	0.05498	0.05498	1.038844	1.038844	11.058	0.3017	0.763469	0.895146	-6.09
FLT4	0.071687	0.071687	1.050945	1.050945	5.8057	0.2998	0.764939	0.895146	-6.09
CCL23	0.150673	0.150673	1.110087	1.110087	8.1369	0.3028	0.76264	0.895146	-6.09
FN1	-0.12365	0.123654	1.089491	-1.08949	14.487	-0.293	0.770087	0.900029	-6.09
RAN	-0.09622	0.096215	1.068965	-1.06897	12.357	-0.291	0.771342	0.900564	-6.1
SPOCK1	0.069958	0.069958	1.049686	1.049686	12.955	0.2888	0.773351	0.901977	-6.1
ADAMTS1	-0.03564	0.035642	1.025013	-1.02501	5.8664	-0.285	0.775962	0.902126	-6.1
ACE2	-0.03178	0.031776	1.02227	-1.02227	5.9872	-0.284	0.776675	0.902126	-6.1
KREMEN2	0.033235	0.033235	1.023304	1.023304	9.193	0.2847	0.776472	0.902126	-6.1
C4B	0.114426	0.114426	1.082544	1.082544	12.42	0.2853	0.775974	0.902126	-6.1
IL12A	0.032247	0.032247	1.022604	1.022604	8.2843	0.276	0.783137	0.908697	-6.1
EGFR	-0.05526	0.055263	1.039048	-1.03905	10.265	-0.27	0.787373	0.911738	-6.1
CRLF2	-0.02232	0.022323	1.015593	-1.01559	8.5548	-0.271	0.786599	0.911738	-6.1
CLIC1	-0.05246	0.052458	1.03703	-1.03703	14.538	-0.268	0.789403	0.913152	-6.1
CDH2	-0.03779	0.037788	1.026539	-1.02654	7.7996	-0.264	0.792212	0.913593	-6.1
TNFRSF4	0.021126	0.021126	1.014751	1.014751	6.3789	0.2648	0.79171	0.913593	-6.1
DCN	0.039471	0.039471	1.027737	1.027737	7.3156	0.266	0.790819	0.913593	-6.1
AGT	-0.13705	0.137053	1.099656	-1.09966	8.6544	-0.262	0.794044	0.914771	-6.1
YWHAB	-0.05379	0.053787	1.037986	-1.03799	15.305	-0.255	0.79917	0.916435	-6.1
IFNG	-0.04631	0.046306	1.032618	-1.03262	7.3647	-0.251	0.802333	0.916435	-6.11
DHH	-0.03624	0.03624	1.025438	-1.02544	7.4195	-0.254	0.80032	0.916435	-6.1
PECAM1	-0.0197	0.019697	1.013747	-1.01375	7.8314	-0.251	0.802692	0.916435	-6.11
DSC3	0.034015	0.034015	1.023858	1.023858	5.434	0.2515	0.801956	0.916435	-6.11
LCMT1	0.035256	0.035256	1.024739	1.024739	9.8897	0.2516	0.801862	0.916435	-6.11
COLEC11	0.038783	0.038783	1.027247	1.027247	6.5861	0.2533	0.800572	0.916435	-6.11
AKR7A2	0.106447	0.106447	1.076574	1.076574	11.173	0.2537	0.800271	0.916435	-6.1
TNFAIP6	0.119739	0.119739	1.086538	1.086538	5.5954	0.2504	0.802794	0.916435	-6.11
GP6	-0.0304	0.030397	1.021293	-1.02129	6.8454	-0.246	0.806106	0.916509	-6.11
PAK6	0.061359	0.061359	1.043448	1.043448	6.1477	0.2481	0.804569	0.916509	-6.11
SIGLEC14	0.109351	0.109351	1.078743	1.078743	10.423	0.2468	0.805547	0.916509	-6.11
FETUB	0.200412	0.200412	1.149026	1.149026	8.5399	0.2475	0.805044	0.916509	-6.11
TDGF1	-0.02919	0.029189	1.020438	-1.02044	6.0069	-0.244	0.807978	0.917713	-6.11
PTK2	-0.03989	0.03989	1.028036	-1.02804	5.3662	-0.241	0.809943	0.918098	-6.11
IL1RL2	0.028566	0.028566	1.019998	1.019998	7.1741	0.2419	0.809351	0.918098	-6.11
FABP5	-0.0973	0.097303	1.069771	-1.06977	8.9057	-0.236	0.814069	0.920997	-6.11
IGFBP4	0.15287	0.15287	1.111779	1.111779	10.874	0.2357	0.814132	0.920997	-6.11
IL2RG	-0.0464	0.046399	1.032684	-1.03268	9.1223	-0.232	0.816822	0.923115	-6.11
KIR3DS1	-0.02871	0.028706	1.020097	-1.0201	6.3611	-0.228	0.820084	0.924026	-6.11
AMICA1	0.014791	0.014791	1.010305	1.010305	6.9387	0.229	0.819333	0.924026	-6.11

ANXA1	0.043243	0.043243	1.030427	1.030427	17.489	0.2291	0.819268	0.924026	-6.11
CCL17	-0.02801	0.028013	1.019607	-1.01961	6.5328	-0.224	0.822948	0.92497	-6.11
CXCL5	-0.01721	0.017208	1.011999	-1.012	7.3666	-0.226	0.821969	0.92497	-6.11
LTA4H	0.072577	0.072577	1.051593	1.051593	8.0387	0.2238	0.823379	0.92497	-6.11
MMP7	-0.08598	0.085984	1.061412	-1.06141	14.859	-0.218	0.828199	0.926233	-6.11
AIF1	-0.08549	0.085487	1.061046	-1.06105	14.715	-0.217	0.828404	0.926233	-6.11
CCL23_X2	-0.05154	0.051536	1.036368	-1.03637	6.7025	-0.216	0.829425	0.926233	-6.11
IGFBP1	-0.02737	0.027372	1.019154	-1.01915	6.0902	-0.22	0.826611	0.926233	-6.11
F7	0.029344	0.029344	1.020548	1.020548	8.0613	0.2206	0.825885	0.926233	-6.11
RPS6KA3	0.114648	0.114648	1.082711	1.082711	8.9254	0.2162	0.82927	0.926233	-6.11
GPNMB	-0.10024	0.10024	1.071952	-1.07195	12.506	-0.212	0.83281	0.928176	-6.11
FLRT1	0.028986	0.028986	1.020295	1.020295	7.3095	0.2117	0.832761	0.928176	-6.11
PLG_X2	0.15264	0.15264	1.111602	1.111602	6.1656	0.2095	0.834519	0.929163	-6.11
FCER2	-0.09242	0.092422	1.066159	-1.06616	9.7879	-0.206	0.837267	0.931305	-6.12
AIP	-0.08321	0.083206	1.059369	-1.05937	11.035	-0.198	0.843369	0.931748	-6.12
NOTCH3	-0.05995	0.059949	1.042429	-1.04243	6.9663	-0.202	0.840676	0.931748	-6.12
MDK	-0.05939	0.059392	1.042027	-1.04203	6.8518	-0.198	0.843274	0.931748	-6.12
CGA_X2	-0.02763	0.027628	1.019335	-1.01933	8.1186	-0.201	0.841372	0.931748	-6.12
ENTPD3	0.022644	0.022644	1.01582	1.01582	8.775	0.198	0.843443	0.931748	-6.12
ERBB3	0.053711	0.053711	1.037932	1.037932	8.8157	0.2039	0.838807	0.931748	-6.12
PIK3CA	0.055761	0.055761	1.039407	1.039407	8.0781	0.2013	0.840834	0.931748	-6.12
C7	-0.03554	0.035545	1.024944	-1.02494	7.0917	-0.196	0.844789	0.932324	-6.12
SH2D1A	-0.0442	0.0442	1.031111	-1.03111	6.494	-0.195	0.845642	0.932353	-6.12
ANGPT4	0.019528	0.019528	1.013628	1.013628	6.6453	0.1933	0.847119	0.933071	-6.12
CTSE	-0.0226	0.022596	1.015786	-1.01579	5.6749	-0.189	0.8508	0.933482	-6.12
SST	0.016277	0.016277	1.011346	1.011346	6.8789	0.1913	0.8487	0.933482	-6.12
IL13RA1	0.034988	0.034988	1.024548	1.024548	8.9948	0.189	0.850492	0.933482	-6.12
HGFAC	0.109576	0.109576	1.078911	1.078911	11.928	0.1907	0.849158	0.933482	-6.12
TGFBR2	-0.02509	0.025091	1.017544	-1.01754	7.6748	-0.182	0.855855	0.933631	-6.12
BRF1	-0.01971	0.019708	1.013755	-1.01375	8.3505	-0.181	0.856405	0.933631	-6.12
IFNGR1	-0.01642	0.016417	1.011444	-1.01144	6.3683	-0.184	0.854022	0.933631	-6.12
MAPKAPK	0.027076	0.027076	1.018945	1.018945	7.073	0.181	0.856724	0.933631	-6.12
FGF7	0.028449	0.028449	1.019915	1.019915	7.3899	0.187	0.851999	0.933631	-6.12
MATN2	0.067573	0.067573	1.047953	1.047953	11.935	0.1826	0.855449	0.933631	-6.12
C3_X6	0.138773	0.138773	1.100968	1.100968	8.8467	0.1853	0.853362	0.933631	-6.12
SFN	-0.057	0.057003	1.040302	-1.0403	12.092	-0.179	0.858592	0.934765	-6.12
MST1	-0.05588	0.055877	1.039491	-1.03949	4.8362	-0.173	0.863054	0.935664	-6.12
HNRNPA2	-0.03366	0.033658	1.023604	-1.0236	17.382	-0.174	0.861887	0.935664	-6.12
CCL5	-0.01732	0.017322	1.012079	-1.01208	7.3303	-0.171	0.864391	0.935664	-6.12
MICB	0.036046	0.036046	1.0253	1.0253	6.0136	0.172	0.863774	0.935664	-6.12
IL20RA	0.038265	0.038265	1.026878	1.026878	5.2537	0.1745	0.86185	0.935664	-6.12
PRSS22	0.12697	0.12697	1.091998	1.091998	8.6679	0.173	0.863004	0.935664	-6.12
HAT1	0.095027	0.095027	1.068085	1.068085	9.3047	0.1686	0.866426	0.936968	-6.12
JAM2	0.016588	0.016588	1.011564	1.011564	8.7589	0.1661	0.868394	0.938197	-6.12
C9	-0.15484	0.154838	1.113296	-1.1133	12.576	-0.162	0.871702	0.939161	-6.12
LYVE1	-0.06143	0.061427	1.043498	-1.0435	7.8774	-0.163	0.870773	0.939161	-6.12
LGALS3	-0.03301	0.033009	1.023144	-1.02314	16.068	-0.16	0.87314	0.939161	-6.12
TNNI3	0.014799	0.014799	1.010311	1.010311	6.3196	0.1586	0.874277	0.939161	-6.12
GAS1	0.018653	0.018653	1.013014	1.013014	6.6847	0.1587	0.874188	0.939161	-6.12
TNFRSF8	0.019702	0.019702	1.01375	1.01375	8.9566	0.1607	0.872672	0.939161	-6.12
ULBP3	-0.02363	0.02363	1.016514	-1.01651	7.8271	-0.156	0.87643	0.93931	-6.12
NTRK3	0.017128	0.017128	1.011943	1.011943	6.6354	0.1563	0.876104	0.93931	-6.12
UBE2L3	0.035788	0.035788	1.025116	1.025116	8.4467	0.1553	0.876912	0.93931	-6.12
SEMA6A	-0.0431	0.043102	1.030327	-1.03033	7.8556	-0.148	0.882616	0.940756	-6.13
FSTL3	-0.03071	0.030707	1.021512	-1.02151	6.2631	-0.149	0.881733	0.940756	-6.13
IL11	-0.01485	0.014851	1.010347	-1.01035	5.6757	-0.15	0.880811	0.940756	-6.13
CASP2	0.016868	0.016868	1.01176	1.01176	5.6958	0.1462	0.884094	0.940756	-6.13
EPHA3	0.022605	0.022605	1.015792	1.015792	5.0402	0.1483	0.88243	0.940756	-6.13
IGF1	0.04459	0.04459	1.03139	1.03139	9.8141	0.1467	0.883632	0.940756	-6.13

TNFRSF21	0.078478	0.078478	1.055903	1.055903	10.775	0.1466	0.883729	0.940756	-6.13
PDCD1LG	-0.0318	0.0318	1.022287	-1.02229	7.5317	-0.143	0.886585	0.942518	-6.13
IMPDH1	0.080343	0.080343	1.05727	1.05727	11.578	0.1414	0.887872	0.942998	-6.13
ESD	-0.06498	0.064977	1.046068	-1.04607	10.455	-0.134	0.893608	0.947309	-6.13
DNAJB1	0.04516	0.04516	1.031797	1.031797	8.3152	0.1347	0.893104	0.947309	-6.13
KNG1	-0.10136	0.101355	1.072781	-1.07278	9.8494	-0.121	0.903831	0.948587	-6.13
CCL21	-0.09134	0.091339	1.065359	-1.06536	8.9505	-0.125	0.901056	0.948587	-6.13
SERPING1	-0.07313	0.073128	1.051995	-1.052	12.548	-0.125	0.900401	0.948587	-6.13
ANG	-0.03314	0.03314	1.023237	-1.02324	16.082	-0.131	0.896198	0.948587	-6.13
IL7R	0.012149	0.012149	1.008456	1.008456	6.037	0.124	0.901568	0.948587	-6.13
RELT	0.013644	0.013644	1.009502	1.009502	5.1038	0.125	0.900766	0.948587	-6.13
GPC5	0.015925	0.015925	1.0111	1.0111	5.616	0.1208	0.904056	0.948587	-6.13
NRXN3	0.033879	0.033879	1.023761	1.023761	11.54	0.1221	0.903053	0.948587	-6.13
PTEN	0.038259	0.038259	1.026874	1.026874	6.976	0.1227	0.902624	0.948587	-6.13
LCN2	0.047515	0.047515	1.033483	1.033483	17.647	0.1256	0.900275	0.948587	-6.13
FGG_XX	0.050231	0.050231	1.03543	1.03543	15.548	0.1279	0.898497	0.948587	-6.13
ITIH4	-0.07269	0.072689	1.051675	-1.05168	10.876	-0.115	0.90903	0.95292	-6.13
PLG	-0.06656	0.066564	1.04722	-1.04722	9.7854	-0.11	0.912718	0.953874	-6.13
TPM1	-0.02243	0.022427	1.015667	-1.01567	7.2771	-0.109	0.91332	0.953874	-6.13
F11	-0.02041	0.020409	1.014247	-1.01425	7.0264	-0.11	0.912996	0.953874	-6.13
H2AFZ	0.06729	0.06729	1.047747	1.047747	10.455	0.11	0.912649	0.953874	-6.13
CRTAM	-0.00957	0.009572	1.006657	-1.00666	6.4566	-0.107	0.915364	0.954433	-6.13
FCAR	0.012818	0.012818	1.008924	1.008924	5.8692	0.1063	0.915546	0.954433	-6.13
POSTN	-0.04849	0.048489	1.034181	-1.03418	6.6186	-0.1	0.920648	0.958123	-6.13
CDC2	-0.00804	0.00804	1.005589	-1.00559	6.567	-0.1	0.920783	0.958123	-6.13
GREM1	0.011603	0.011603	1.008075	1.008075	5.7424	0.0947	0.924708	0.959554	-6.13
KLK13	0.02761	0.02761	1.019322	1.019322	10.468	0.0957	0.923978	0.959554	-6.13
PF4	0.03007	0.03007	1.021062	1.021062	8.5303	0.0947	0.924704	0.959554	-6.13
RPS6KA5	0.018094	0.018094	1.012621	1.012621	6.0117	0.089	0.929254	0.963386	-6.13
FGA	0.027592	0.027592	1.019309	1.019309	16.19	0.0874	0.930497	0.96379	-6.13
NTF3	0.007293	0.007293	1.005068	1.005068	5.596	0.0828	0.934168	0.966109	-6.13
JAG1	0.013634	0.013634	1.009495	1.009495	6.4394	0.0803	0.936159	0.966109	-6.13
SEZ6L2	0.01682	0.01682	1.011727	1.011727	7.8208	0.0803	0.936159	0.966109	-6.13
CSF3	0.040768	0.040768	1.028661	1.028661	9.6729	0.0807	0.935872	0.966109	-6.13
MIF	0.03192	0.03192	1.022372	1.022372	12.543	0.0768	0.938965	0.96812	-6.13
PES1	0.007456	0.007456	1.005182	1.005182	6.4855	0.0739	0.941225	0.969564	-6.13
NTRK1	-0.0051	0.005096	1.003539	-1.00354	8.1944	-0.067	0.947081	0.97382	-6.13
A2M	0.036098	0.036098	1.025337	1.025337	11.631	0.067	0.946736	0.97382	-6.13
SERPIND1	-0.03842	0.038416	1.026985	-1.02699	9.9388	-0.065	0.948491	0.974379	-6.13
MBL2	0.007052	0.007052	1.0049	1.0049	8.4467	0.0637	0.949351	0.974379	-6.13
PROS1	-0.03991	0.039907	1.028048	-1.02805	8.4896	-0.061	0.951394	0.974704	-6.13
PTPN6	0.040253	0.040253	1.028294	1.028294	10.927	0.0621	0.950602	0.974704	-6.13
CTSB	0.026727	0.026727	1.018698	1.018698	12.654	0.0558	0.955625	0.978151	-6.13
PAK7	0.00934	0.00934	1.006495	1.006495	7.9489	0.0545	0.956678	0.978342	-6.13
EDAR	0.005024	0.005024	1.003488	1.003488	6.6576	0.0492	0.960875	0.980191	-6.13
IL23R	0.00827	0.00827	1.005749	1.005749	7.6009	0.0502	0.960073	0.980191	-6.13
TF	0.04375	0.04375	1.03079	1.03079	14.599	0.0489	0.96109	0.980191	-6.13
UNC5C	0.016393	0.016393	1.011428	1.011428	6.6601	0.0439	0.965081	0.983372	-6.14
CCL18	-0.02788	0.02788	1.019513	-1.01951	9.9198	-0.041	0.967475	0.984923	-6.14
KIR3DL2	-0.00422	0.004223	1.002931	-1.00293	5.7699	-0.039	0.969123	0.985712	-6.14
F2	-0.01039	0.010389	1.007227	-1.00723	7.9431	-0.036	0.971637	0.987011	-6.14
DYNLL1	-0.00486	0.00486	1.003374	-1.00337	6.7249	-0.035	0.972149	0.987011	-6.14
C6	0.014142	0.014142	1.009851	1.009851	15.27	0.0319	0.974576	0.988586	-6.14
FGF16	-0.00619	0.006185	1.004296	-1.0043	8.2938	-0.027	0.978386	0.991287	-6.14
PDXP	0.007593	0.007593	1.005277	1.005277	8.9709	0.0264	0.978995	0.991287	-6.14
KLK11	-0.01364	0.013641	1.0095	-1.0095	11.544	-0.023	0.981721	0.992505	-6.14
EFNA4	-0.00408	0.004076	1.00283	-1.00283	8.0166	-0.019	0.984858	0.992505	-6.14
PLAT	0.002282	0.002282	1.001583	1.001583	6.7733	0.0202	0.983902	0.992505	-6.14
MATN3	0.002847	0.002847	1.001975	1.001975	5.851	0.0193	0.984654	0.992505	-6.14

AREG	0.004735	0.004735	1.003288	1.003288	8.6907	0.0183	0.985472	0.992505	-6.14
ADIPOQ	0.010642	0.010642	1.007404	1.007404	11.357	0.02	0.984092	0.992505	-6.14
APOB	-0.00592	0.005918	1.00411	-1.00411	7.4669	-0.014	0.988855	0.995025	-6.14
CD70	0.001081	0.001081	1.000749	1.000749	9.0056	0.0124	0.990164	0.995454	-6.14
STAB2	-0.00073	0.000728	1.000505	-1.0005	8.1552	-0.009	0.99286	0.997277	-6.14
C1QA	-0.00261	0.002611	1.001811	-1.00181	12.739	-0.004	0.996752	0.99826	-6.14
ACVRL1	-0.00036	0.000357	1.000247	-1.00025	8.4751	-0.005	0.996239	0.99826	-6.14
SPON1	0.000653	0.000653	1.000453	1.000453	5.9053	0.0033	0.997376	0.99826	-6.14
PDGFB	0.000811	0.000811	1.000562	1.000562	5.9409	0.0066	0.994765	0.99826	-6.14
KLK8	#####	6.8E-05	1.000047	-1.00005	7.7895	-8E-04	0.999388	0.999388	-6.14

Spu_soma_ESA_NH

	logFC	ABS(fc)	fc	Fold chang	AveExpr t	P.Value	adj.P.Val	B	
CNTN4	-0.74775	0.747746	1.679167	-1.67917	9.7214	-6.059	2.37E-08	2.67E-05	8.8755
HAPLN1	-1.17086	1.170863	2.251464	-2.25146	7.554	-5.589	1.95E-07	7.33E-05	6.9128
SET	-1.06692	1.066916	2.09495	-2.09495	13.152	-5.635	1.59E-07	7.33E-05	7.1017
ROBO2	-1.40947	1.409472	2.6564	-2.6564	9.5797	-5.091	1.65E-06	0.000466	4.9257
CNTN1	-1.70242	1.702422	3.254469	-3.25447	12.572	-4.992	2.50E-06	0.000564	4.542
SLAMF7	-1.22387	1.22387	2.335724	-2.33572	10.271	-4.861	4.30E-06	0.000693	4.0403
CSNK2A1	1.510903	1.510903	2.849884	2.849884	8.7045	4.8933	3.76E-06	0.000693	4.1636
TNFSF15	-0.67877	0.678767	1.600771	-1.60077	7.4185	-4.772	6.16E-06	0.00087	3.7071
TNFSF14	2.037208	2.037208	4.104505	4.104505	8.7359	4.74	7.02E-06	0.000881	3.5866
PAPPA	3.614097	3.614097	12.2448	12.2448	11.296	4.643	1.04E-05	0.00117	3.2271
CDH3	-1.68672	1.686722	3.219243	-3.21924	15.213	-4.563	1.42E-05	0.001337	2.9357
APCS	2.635867	2.635867	6.215486	6.215486	14.784	4.5754	1.35E-05	0.001337	2.9797
ICAM1	-0.7594	0.7594	1.692786	-1.69279	11.188	-4.476	2.00E-05	0.001738	2.62
TGFBR3	-1.47381	1.473808	2.77754	-2.77754	9.4868	-4.426	2.43E-05	0.001963	2.4398
BCAM	-0.69389	0.693889	1.617639	-1.61764	7.514	-4.359	3.15E-05	0.002372	2.2021
UCHL1	-1.61276	1.612759	3.058362	-3.05836	16.418	-4.135	7.34E-05	0.00518	1.4262
CAT	1.633031	1.633031	3.10164	3.10164	13.893	4.0698	9.36E-05	0.006213	1.2044
CDON	-0.93656	0.936565	1.913966	-1.91397	9.9475	-3.996	0.000123	0.006616	0.9567
EPHA10	0.66012	0.66012	1.580215	1.580215	5.3706	4.0075	0.000118	0.006616	0.9955
PRTN3	1.262164	1.262164	2.398552	2.398552	14.015	4.0024	0.00012	0.006616	0.9786
CRP	2.303796	2.303796	4.937554	4.937554	8.5579	3.995	0.000123	0.006616	0.9539
AK1	-1.67774	1.677741	3.199266	-3.19927	15.331	-3.973	0.000133	0.00664	0.881
ADCYAP1	0.404891	0.404891	1.323989	1.323989	8.7035	3.9689	0.000135	0.00664	0.8674
CTSH	-0.72278	0.722779	1.650358	-1.65036	14.695	-3.955	0.000142	0.006681	0.8229
PIGR	-0.93503	0.935028	1.911927	-1.91193	18.151	-3.846	0.00021	0.008778	0.4661
C1QBP	-0.59535	0.595347	1.510836	-1.51084	12.83	-3.826	0.000225	0.008778	0.4019
CA10	-0.48637	0.48637	1.400915	-1.40092	7.9197	-3.828	0.000225	0.008778	0.4057
IL22RA1	0.394779	0.394779	1.314741	1.314741	7.8183	3.8479	0.000209	0.008778	0.4712
IL5	0.999086	0.999086	1.998734	1.998734	11.045	3.8464	0.00021	0.008778	0.4662
ETHE1	-0.32365	0.323648	1.251491	-1.25149	7.4687	-3.801	0.000247	0.008998	0.3187
ITGA2B	0.35611	0.35611	1.27997	1.27997	7.4192	3.8077	0.000241	0.008998	0.3417
MFRP	0.362185	0.362185	1.285371	1.285371	8.3092	3.7916	0.000255	0.008998	0.2899
GSTA3	-1.62366	1.623657	3.081551	-3.08155	7.9034	-3.725	0.000322	0.009218	0.078
ALPL	-0.89807	0.898067	1.863567	-1.86357	18.262	-3.766	0.000279	0.009218	0.2067
DSG2	-0.86501	0.865015	1.821358	-1.82136	18.024	-3.761	0.000284	0.009218	0.1921
B2M	-0.85687	0.856866	1.811099	-1.8111	16.307	-3.721	0.000326	0.009218	0.0655
AMHR2	-0.85127	0.85127	1.804089	-1.80409	18.287	-3.689	0.000365	0.009218	-0.035
IBSP	-0.72326	0.72326	1.650909	-1.65091	6.9868	-3.722	0.000325	0.009218	0.0688
SCGB2A1	-0.57826	0.578256	1.493043	-1.49304	14.452	-3.687	0.000367	0.009218	-0.042
CD97	-0.564	0.564002	1.478364	-1.47836	9.3845	-3.71	0.00034	0.009218	0.0298
CCL1	-0.53496	0.534958	1.4489	-1.4489	10.015	-3.711	0.000338	0.009218	0.033
TYRO3	-0.4957	0.495701	1.410005	-1.41001	7.5184	-3.693	0.000359	0.009218	-0.022
LEP	0.444792	0.444792	1.361118	1.361118	8.7897	3.7079	0.000342	0.009218	0.0241
CCL3	0.48441	0.48441	1.399013	1.399013	6.6219	3.7159	0.000332	0.009218	0.0493
ANGPTL4	0.785338	0.785338	1.723496	1.723496	8.5461	3.6891	0.000365	0.009218	-0.035
CSNK2A2	1.040227	1.040227	2.056551	2.056551	7.8692	3.6711	0.000388	0.009525	-0.091
CXCL8	1.27794	1.27794	2.424925	2.424925	14.996	3.662	0.0004	0.00962	-0.12
IL1B	0.701738	0.701738	1.626462	1.626462	7.8993	3.6474	0.000421	0.009701	-0.165
RETN	2.981402	2.981402	7.897531	7.897531	10.055	3.6487	0.000419	0.009701	-0.161
TNFRSF11	-0.54648	0.546477	1.460515	-1.46051	11.32	-3.641	0.000431	0.009733	-0.186
CA6	-1.13855	1.138546	2.201591	-2.20159	15.614	-3.61	0.000478	0.009825	-0.279
CST5	-1.11291	1.11291	2.162815	-2.16282	17.137	-3.625	0.000455	0.009825	-0.236
CST2	-0.87639	0.87639	1.835777	-1.83578	17.622	-3.632	0.000444	0.009825	-0.214
LTF	-0.85636	0.856361	1.810466	-1.81047	18.322	-3.61	0.000479	0.009825	-0.281
FGF2	0.763565	0.763565	1.697681	1.697681	7.6708	3.6146	0.000471	0.009825	-0.267
CPE	-0.9679	0.967902	1.955994	-1.95599	9.378	-3.597	0.0005	0.010076	-0.32
LGMN	-0.86456	0.864565	1.820791	-1.82079	14.974	-3.586	0.000519	0.010276	-0.354

SERPINA3	-1.66021	1.660209	3.160623	-3.16062	18.024	-3.568	0.000551	0.010287	-0.409
IGHG1	-0.7541	0.754104	1.686583	-1.68658	17.908	-3.56	0.000568	0.010287	-0.436
PAK3	-0.48504	0.485042	1.399627	-1.39963	8.5428	-3.557	0.000573	0.010287	-0.443
PRSS27	0.376959	0.376959	1.298602	1.298602	10.566	3.5565	0.000574	0.010287	-0.445
TLR4	0.87736	0.87736	1.837011	1.837011	9.4181	3.5717	0.000545	0.010287	-0.399
PGLYRP1	1.677923	1.677923	3.19967	3.19967	10.798	3.5699	0.000549	0.010287	-0.404
LYZ	-0.84974	0.849737	1.802172	-1.80217	16.247	-3.539	0.000609	0.010582	-0.499
RPS27A	-0.76369	0.763691	1.697828	-1.69783	17.137	-3.543	0.0006	0.010582	-0.486
LTBR	-0.46888	0.468878	1.384032	-1.38403	10.033	-3.53	0.000628	0.01074	-0.526
CST1	-0.8598	0.859803	1.814791	-1.81479	17.478	-3.524	0.00064	0.010792	-0.544
KPNA2	-0.90441	0.904406	1.871774	-1.87177	9.7847	-3.491	0.000716	0.011512	-0.645
IL6ST	-0.84561	0.845607	1.79702	-1.79702	11.795	-3.487	0.000724	0.011512	-0.655
PPIA	-0.72685	0.726848	1.65502	-1.65502	17.761	-3.494	0.000708	0.011512	-0.634
CD22	-0.32125	0.321245	1.249409	-1.24941	8.3278	-3.5	0.000695	0.011512	-0.618
IGHM	-0.74996	0.749959	1.681745	-1.68174	17.526	-3.482	0.000737	0.011552	-0.67
AGER	-1.53729	1.537294	2.902496	-2.9025	9.5832	-3.469	0.00077	0.011741	-0.71
DNAJC19	0.505989	0.505989	1.420096	1.420096	7.0292	3.4693	0.000769	0.011741	-0.709
MAPK9	-0.65329	0.653287	1.572748	-1.57275	9.9873	-3.461	0.000791	0.011753	-0.735
FOLH1	-0.54248	0.542475	1.456469	-1.45647	9.3307	-3.461	0.000789	0.011753	-0.733
GDF5	0.573292	0.573292	1.487915	1.487915	9.4452	3.4501	0.000819	0.012013	-0.766
TOP1	1.483699	1.483699	2.796649	2.796649	8.6611	3.438	0.000853	0.012341	-0.802
SPARC	-0.93415	0.93415	1.910765	-1.91077	12.793	-3.431	0.000874	0.012348	-0.824
SLPI	-0.76562	0.765619	1.700099	-1.7001	17.481	-3.426	0.000886	0.012348	-0.836
C8A	-0.5537	0.553703	1.467848	-1.46785	9.856	-3.428	0.000881	0.012348	-0.832
TNFSF11	-0.44552	0.445523	1.361808	-1.36181	8.4795	-3.417	0.000914	0.012582	-0.864
PI3	-0.74075	0.740751	1.671045	-1.67105	16.125	-3.412	0.000928	0.012621	-0.878
RAD51	-0.51718	0.517177	1.431152	-1.43115	9.2487	-3.392	0.000991	0.013324	-0.938
CD27	-0.90404	0.904043	1.871303	-1.8713	13.19	-3.38	0.001031	0.013394	-0.973
TFF3	-0.78088	0.780876	1.718174	-1.71817	16.652	-3.378	0.001038	0.013394	-0.979
HIST1H1C	2.06729	2.06729	4.190988	4.190988	8.7037	3.3763	0.001044	0.013394	-0.984
ICOSLG	2.130842	2.130842	4.379729	4.379729	13.685	3.3788	0.001036	0.013394	-0.977
TPM2	-0.64352	0.643523	1.562139	-1.56214	9.7691	-3.37	0.001066	0.013523	-1.003
CLU	-1.74896	1.748965	3.361173	-3.36117	10.747	-3.342	0.001169	0.014666	-1.086
IL3	0.270779	0.270779	1.206459	1.206459	8.774	3.3373	0.001185	0.014703	-1.098
ERBB2	-0.55881	0.558808	1.473051	-1.47305	6.642	-3.324	0.001239	0.015204	-1.138
FCAR	0.379761	0.379761	1.301127	1.301127	5.8692	3.3103	0.001293	0.015206	-1.176
KLRK1	0.39375	0.39375	1.313804	1.313804	6.6259	3.3164	0.001268	0.015206	-1.158
CA9	0.460419	0.460419	1.375942	1.375942	6.6473	3.3118	0.001287	0.015206	-1.172
POMC	0.973235	0.973235	1.963238	1.963238	6.8729	3.3165	0.001268	0.015206	-1.158
PRDX6	-0.73606	0.736061	1.665622	-1.66562	15.982	-3.306	0.001313	0.01528	-1.19
DAPK2	0.947405	0.947405	1.9284	1.9284	9.6069	3.299	0.001341	0.015446	-1.208
AZU1	1.768073	1.768073	3.405986	3.405986	9.005	3.2935	0.001365	0.015567	-1.224
BCAN	-0.60811	0.608109	1.52426	-1.52426	6.5627	-3.286	0.001397	0.015767	-1.245
FGF20	-0.37672	0.376721	1.298388	-1.29839	6.0108	-3.281	0.001421	0.015889	-1.261
TNFRSF25	-0.71223	0.712231	1.638336	-1.63834	16.451	-3.271	0.001465	0.016061	-1.288
FCGR2A	1.235039	1.235039	2.353877	2.353877	10.975	3.2718	0.001463	0.016061	-1.286
FGF10	-0.43055	0.430545	1.347743	-1.34774	5.4912	-3.265	0.001493	0.01621	-1.305
OSM	-0.43345	0.433454	1.350463	-1.35046	9.4241	-3.242	0.001611	0.017319	-1.372
SFTPD	-1.1752	1.175197	2.258237	-2.25824	17.849	-3.235	0.001644	0.017515	-1.391
SPINT1	-0.36064	0.360642	1.283997	-1.284	7.9998	-3.217	0.001742	0.018383	-1.443
HSPA8	-0.60687	0.606867	1.522948	-1.52295	4.9522	-3.208	0.001792	0.018659	-1.468
TPO	-0.37328	0.37328	1.295294	-1.29529	8.9676	-3.206	0.001801	0.018659	-1.472
TIMP2	1.672197	1.672197	3.186995	3.186995	12.096	3.1991	0.001843	0.018911	-1.492
LIFR	1.043104	1.043104	2.060657	2.060657	7.1188	3.1791	0.001961	0.019772	-1.548
FGR	2.167421	2.167421	4.492196	4.492196	8.8158	3.1814	0.001948	0.019772	-1.542
CST3	-0.75984	0.759844	1.693308	-1.69331	16.612	-3.161	0.002079	0.020486	-1.6
NID2	0.452451	0.452451	1.368363	1.368363	9.215	3.1593	0.002087	0.020486	-1.603
CCL4L1	1.74408	1.74408	3.349813	3.349813	6.8366	3.1623	0.002067	0.020486	-1.595
MB	-1.07633	1.07633	2.108665	-2.10866	13.544	-3.154	0.002122	0.020649	-1.618

PEBP1	-0.52697	0.526974	1.440904	-1.4409	16.572	-3.151	0.002141	0.020656	-1.626
FGF19	-0.29841	0.298411	1.229789	-1.22979	6.6035	-3.144	0.002186	0.020911	-1.645
PRKACA	1.983616	1.983616	3.95483	3.95483	11.068	3.1408	0.002211	0.020975	-1.655
PDK1	-0.41706	0.417064	1.335207	-1.33521	8.6813	-3.131	0.002282	0.021384	-1.683
CLEC11A	-0.3136	0.313599	1.242804	-1.2428	7.1629	-3.129	0.002292	0.021384	-1.687
CALR	0.366652	0.366652	1.289357	1.289357	8.9471	3.1244	0.002326	0.021528	-1.7
CSF1R	-1.24656	1.246561	2.372752	-2.37275	11.024	-3.117	0.002381	0.021855	-1.721
EDA2R	0.548742	0.548742	1.462809	1.462809	7.1237	3.1111	0.002424	0.021889	-1.737
GPI	2.624703	2.624703	6.167575	6.167575	13.951	3.1126	0.002413	0.021889	-1.733
CDH5	1.313305	1.313305	2.485102	2.485102	8.7632	3.1062	0.002461	0.022049	-1.75
BCL2L1	-0.33516	0.335165	1.261521	-1.26152	7.8733	-3.095	0.002546	0.022632	-1.78
LPO	-0.92676	0.92676	1.901002	-1.901	17.554	-3.092	0.002572	0.022688	-1.789
CASP3	1.001278	1.001278	2.001772	2.001772	11.591	3.0834	0.002639	0.023097	-1.812
SLC25A18	0.287352	0.287352	1.220398	1.220398	7.473	3.077	0.002692	0.023305	-1.83
THBS2	0.824226	0.824226	1.770585	1.770585	7.0451	3.0755	0.002704	0.023305	-1.834
GPC3	-1.4779	1.477904	2.785439	-2.78544	6.7058	-3.06	0.002832	0.024042	-1.875
CFHR5	0.540095	0.540095	1.454068	1.454068	8.5172	3.0622	0.002816	0.024042	-1.87
FUT3	3.78624	3.78624	13.79659	13.79659	12.84	3.0569	0.002862	0.024114	-1.884
MAPT	0.514697	0.514697	1.428694	1.428694	7.9615	3.0527	0.002899	0.024241	-1.895
EPHA1	-0.23297	0.232966	1.175248	-1.17525	7.9572	-3.05	0.002924	0.024273	-1.903
IL37	-0.47595	0.475952	1.390835	-1.39084	8.3231	-3.038	0.003031	0.024976	-1.935
COLEC12	0.305533	0.305533	1.235875	1.235875	8.9686	3.0203	0.003199	0.026172	-1.983
HIPK3	-0.44732	0.447316	1.363501	-1.3635	8.4036	-3.017	0.003232	0.026254	-1.992
LTA	0.320526	0.320526	1.248786	1.248786	6.7844	3.0133	0.003267	0.026348	-2.001
PRKCQ	0.432003	0.432003	1.349105	1.349105	7.9815	3.0005	0.003396	0.027189	-2.036
FCGR3B	-0.57905	0.579054	1.493869	-1.49387	14.946	-2.989	0.003517	0.027764	-2.067
CA4	-0.38626	0.386256	1.306997	-1.307	9.0992	-2.989	0.003512	0.027764	-2.065
APOB	1.200681	1.200681	2.298482	2.298482	7.4669	2.986	0.003547	0.027809	-2.074
MMP14	-0.32202	0.322019	1.250079	-1.25008	7.1285	-2.981	0.003599	0.028019	-2.087
FASLG	-0.24405	0.244046	1.18431	-1.18431	7.1425	-2.975	0.00367	0.028379	-2.104
SSRP1	0.892868	0.892868	1.856863	1.856863	7.4533	2.9709	0.003711	0.0285	-2.114
FGF5	0.444659	0.444659	1.360992	1.360992	6.7082	2.9613	0.003819	0.02902	-2.139
CHST15	1.685039	1.685039	3.215491	3.215491	10.131	2.9603	0.00383	0.02902	-2.142
CD300C	0.994675	0.994675	1.992632	1.992632	11.441	2.9568	0.00387	0.029129	-2.151
FCRL3	-0.37899	0.378994	1.300435	-1.30043	7.1708	-2.949	0.003965	0.029447	-2.172
RGMA	-0.28553	0.28553	1.218858	-1.21886	8.3141	-2.951	0.003939	0.029447	-2.167
OLR1	1.408344	1.408344	2.654324	2.654324	9.1073	2.9461	0.003995	0.029483	-2.179
PLA2G5	-0.25055	0.250546	1.189657	-1.18966	6.1696	-2.938	0.004097	0.030036	-2.201
NAMPT	1.536349	1.536349	2.900595	2.900595	8.6916	2.9238	0.004269	0.031094	-2.238
IL4	-0.28345	0.283447	1.217099	-1.2171	6.7353	-2.909	0.004455	0.031831	-2.275
PF4	0.879122	0.879122	1.839255	1.839255	8.5303	2.9113	0.00443	0.031831	-2.27
RBM39	1.315203	1.315203	2.488374	2.488374	8.5616	2.9132	0.004405	0.031831	-2.265
MMP17	0.485757	0.485757	1.40032	1.40032	7.6812	2.906	0.004499	0.031945	-2.284
PRKCB	1.444978	1.444978	2.722588	2.722588	10.049	2.8986	0.004598	0.032447	-2.303
WIF1	-0.42771	0.427708	1.345095	-1.3451	9.1657	-2.896	0.004637	0.032517	-2.31
PRL	0.430441	0.430441	1.347645	1.347645	9.5894	2.8883	0.00474	0.033034	-2.33
PLXNC1	1.142897	1.142897	2.20824	2.20824	9.2142	2.8831	0.004812	0.033331	-2.343
IL27RA	-0.4524	0.452397	1.368312	-1.36831	8.0279	-2.868	0.005031	0.034636	-2.382
FGF8	-0.34186	0.341857	1.267387	-1.26739	8.6093	-2.848	0.005334	0.036472	-2.434
ANP32B	0.871382	0.871382	1.829415	1.829415	7.2908	2.846	0.005363	0.036472	-2.438
HMOX2	0.870975	0.870975	1.828898	1.828898	7.8152	2.8404	0.005451	0.036848	-2.452
PPP3CA	1.321333	1.321333	2.49897	2.49897	11.789	2.8354	0.005529	0.037159	-2.465
FCN1	0.478589	0.478589	1.39338	1.39338	10.032	2.8329	0.00557	0.037211	-2.471
MAPK1	1.359314	1.359314	2.565631	2.565631	10.559	2.8278	0.005652	0.037535	-2.484
MASP1	0.372453	0.372453	1.294552	1.294552	9.042	2.8045	0.006045	0.039908	-2.543
IL18RAP	-0.24025	0.24025	1.181197	-1.1812	6.8808	-2.797	0.006171	0.040505	-2.561
LTA_X3	-0.27994	0.279938	1.214143	-1.21414	8.6739	-2.792	0.006265	0.040887	-2.574
TBP	0.87736	0.87736	1.837011	1.837011	8.2118	2.7813	0.00646	0.041706	-2.601
ADAM9	1.237419	1.237419	2.357763	2.357763	9.6011	2.7811	0.006465	0.041706	-2.602

CTSB	-1.25983	1.259834	2.394682	-2.39468	12.654	-2.764	0.006796	0.043501	-2.646
CTSD	-0.85188	0.851883	1.804855	-1.80485	14.832	-2.761	0.006847	0.043501	-2.652
BMP10	0.410599	0.410599	1.329237	1.329237	9.0854	2.7604	0.006858	0.043501	-2.654
EPHB4	0.324113	0.324113	1.251894	1.251894	11.433	2.7568	0.006928	0.043699	-2.662
CAST	0.956891	0.956891	1.941123	1.941123	11.837	2.7349	0.007371	0.046231	-2.716
CCL3L1	-0.24578	0.245784	1.185737	-1.18574	8.547	-2.731	0.007446	0.046415	-2.725
DCTN2	0.323906	0.323906	1.251715	1.251715	6.5004	2.7296	0.007482	0.046415	-2.73
HAMP	-0.25453	0.254532	1.192949	-1.19295	6.6003	-2.723	0.007621	0.046455	-2.745
HSD17B1	0.232362	0.232362	1.174756	1.174756	9.2015	2.7259	0.00756	0.046455	-2.739
ELANE	1.111477	1.111477	2.160667	2.160667	13.177	2.7254	0.007572	0.046455	-2.74
NME2	1.843933	1.843933	3.589872	3.589872	12.776	2.7216	0.007653	0.046455	-2.749
TEC	0.318594	0.318594	1.247115	1.247115	8.8415	2.7173	0.007747	0.046695	-2.76
ITGA1	0.894439	0.894439	1.858887	1.858887	14.647	2.7145	0.007807	0.046695	-2.767
LYN	1.990856	1.990856	3.974728	3.974728	10.325	2.7141	0.007817	0.046695	-2.768
SPARCL1	-1.20706	1.207064	2.308673	-2.30867	11.399	-2.709	0.007918	0.047032	-2.779
ACY1	-1.15585	1.155851	2.228157	-2.22816	11.677	-2.707	0.007968	0.047032	-2.784
KLK12	-0.45134	0.451345	1.367314	-1.36731	10.568	-2.706	0.007998	0.047032	-2.788
F2_X2	-1.00127	1.001267	2.001757	-2.00176	15.198	-2.702	0.008089	0.047317	-2.797
MATK	0.459049	0.459049	1.374636	1.374636	6.233	2.6919	0.008318	0.048407	-2.822
CSNK2B	1.189746	1.189746	2.281126	2.281126	11.562	2.6878	0.008414	0.048519	-2.832
CFP	2.574177	2.574177	5.955311	5.955311	11.351	2.6874	0.008423	0.048519	-2.833
MAPK12	0.465413	0.465413	1.380713	1.380713	6.0216	2.6756	0.008706	0.049543	-2.861
gp41 C34	0.497424	0.497424	1.411691	1.411691	8.1726	2.6744	0.008733	0.049543	-2.864
SERPINE1	0.637628	0.637628	1.555769	1.555769	6.2054	2.6756	0.008704	0.049543	-2.861
TIMP3	0.281476	0.281476	1.215438	1.215438	6.6797	2.6715	0.008805	0.049703	-2.871
NACA	0.570507	0.570507	1.485045	1.485045	8.4535	2.6657	0.008948	0.050258	-2.885
IFNA2	-0.33382	0.333824	1.260349	-1.26035	5.4413	-2.656	0.009183	0.051294	-2.908
ULBP1	0.387145	0.387145	1.307803	1.307803	6.5571	2.6547	0.009223	0.051294	-2.911
MSR1	0.254947	0.254947	1.193292	1.193292	8.0262	2.6466	0.009434	0.051758	-2.931
TYK2	0.386822	0.386822	1.30751	1.30751	11.421	2.6444	0.00949	0.051758	-2.936
ARID3A	0.962918	0.962918	1.949248	1.949248	7.6837	2.6449	0.009478	0.051758	-2.935
AFM	2.067952	2.067952	4.19291	4.19291	10.796	2.6476	0.009408	0.051758	-2.929
GZMB	0.998864	0.998864	1.998425	1.998425	6.3852	2.6308	0.009852	0.053476	-2.969
CCL13	0.519975	0.519975	1.433931	1.433931	6.636	2.6167	0.010241	0.05532	-3.002
TKT	-0.44354	0.443535	1.359933	-1.35993	17.718	-2.613	0.010349	0.05564	-3.011
BDNF	0.424109	0.424109	1.341744	1.341744	7.2067	2.6062	0.01054	0.055867	-3.027
TLR2	0.737656	0.737656	1.667465	1.667465	8.8624	2.6067	0.010525	0.055867	-3.026
POSTN	1.205183	1.205183	2.305666	2.305666	6.6186	2.6087	0.010467	0.055867	-3.021
GDF2	0.23044	0.23044	1.173193	1.173193	6.9604	2.5809	0.011292	0.059573	-3.087
POR	1.622032	1.622032	3.078084	3.078084	11.422	2.5752	0.011468	0.060222	-3.1
PDIA3	0.982581	0.982581	1.975998	1.975998	12.465	2.5689	0.011665	0.060973	-3.115
LTA_X2	-0.38612	0.386117	1.306871	-1.30687	4.9295	-2.559	0.011966	0.061755	-3.137
NTN4	0.440484	0.440484	1.35706	1.35706	7.0463	2.5591	0.011979	0.061755	-3.138
EPS15L1	0.462365	0.462365	1.377799	1.377799	6.6584	2.5592	0.011974	0.061755	-3.137
TXNDC12	0.672349	0.672349	1.593666	1.593666	11.539	2.5521	0.012207	0.062386	-3.154
IGF2R	0.716001	0.716001	1.642622	1.642622	12.759	2.5506	0.012254	0.062386	-3.157
LYN_X2	2.346177	2.346177	5.084749	5.084749	12.098	2.5502	0.012267	0.062386	-3.158
CA2	-0.40287	0.402872	1.322138	-1.32214	5.3317	-2.537	0.012702	0.064022	-3.188
PRKCZ	0.944738	0.944738	1.924839	1.924839	8.827	2.5375	0.012693	0.064022	-3.187
SHC1	0.727546	0.727546	1.655821	1.655821	11.559	2.5338	0.012819	0.064322	-3.196
THBS4	-1.0501	1.0501	2.070674	-2.07067	10.12	-2.524	0.013155	0.065716	-3.218
ENTPD1	1.207084	1.207084	2.308706	2.308706	10.685	2.5212	0.013261	0.065732	-3.225
ADRBK1	1.714879	1.714879	3.282692	3.282692	10.417	2.5208	0.013275	0.065732	-3.226
CDK5	-0.33389	0.333895	1.260411	-1.26041	8.7871	-2.515	0.013468	0.066401	-3.238
IL2	0.223681	0.223681	1.167709	1.167709	6.8287	2.5101	0.013657	0.067038	-3.25
MFGE8	-0.88536	0.885357	1.847222	-1.84722	10.422	-2.505	0.013858	0.067728	-3.263
TYMS	-1.08766	1.087664	2.125297	-2.1253	11.726	-2.502	0.013949	0.067883	-3.269
KLK13	-0.68655	0.686551	1.609431	-1.60943	10.468	-2.5	0.014028	0.067973	-3.273
SFN	-0.75723	0.75723	1.690242	-1.69024	12.092	-2.494	0.01426	0.06851	-3.287

BST1	1.204786	1.204786	2.305031	2.305031	9.5168	2.4947	0.014229	0.06851	-3.286
CHEK2	-0.27315	0.273154	1.208447	-1.20845	5.8259	-2.487	0.014504	0.069388	-3.302
GCKR	0.225462	0.225462	1.169152	1.169152	6.5793	2.483	0.014674	0.069905	-3.312
CCL25	-0.27878	0.278783	1.213171	-1.21317	6.1748	-2.48	0.014804	0.070227	-3.32
VEGFA_X2	-0.64746	0.647464	1.566412	-1.56641	8.5049	-2.474	0.015028	0.070851	-3.332
EIF4A3	0.950422	0.950422	1.932438	1.932438	8.3282	2.4732	0.015061	0.070851	-3.334
HDAC8	-0.21743	0.217431	1.162662	-1.16266	9.33	-2.47	0.015195	0.071182	-3.342
PDE5A	0.170116	0.170116	1.125149	1.125149	8.4321	2.463	0.015471	0.072177	-3.357
MDH1	-0.42636	0.426356	1.343835	-1.34383	17.099	-2.455	0.015818	0.073492	-3.376
ESD	1.130619	1.130619	2.189527	2.189527	10.455	2.452	0.015923	0.073677	-3.382
ROR1	-0.44485	0.444849	1.361171	-1.36117	8.3923	-2.448	0.01609	0.073878	-3.391
SRC	1.255694	1.255694	2.38782	2.38782	10.19	2.4478	0.016097	0.073878	-3.391
CFC1	-1.366	1.365998	2.577546	-2.57755	11.954	-2.438	0.016508	0.07396	-3.413
PPID	-1.20508	1.205075	2.305493	-2.30549	9.6136	-2.44	0.016451	0.07396	-3.41
KLK4	-0.28502	0.285017	1.218424	-1.21842	6.5157	-2.444	0.016256	0.07396	-3.4
ADAMTS1	0.289862	0.289862	1.222523	1.222523	5.8664	2.439	0.016475	0.07396	-3.411
XRCC6	1.007812	1.007812	2.010858	2.010858	9.0381	2.4389	0.016478	0.07396	-3.411
SIGLEC9	2.158695	2.158695	4.465109	4.465109	8.3515	2.4454	0.0162	0.07396	-3.397
HNRNPA2	-0.44655	0.446552	1.362779	-1.36278	17.382	-2.432	0.016772	0.07455	-3.426
NR1D1	0.209072	0.209072	1.155944	1.155944	6.1691	2.4326	0.016752	0.07455	-3.425
CNTF	-0.28135	0.281351	1.215333	-1.21533	6.5803	-2.423	0.017193	0.075747	-3.447
IL10RB	-0.21902	0.219021	1.163944	-1.16394	8.0509	-2.421	0.017243	0.075747	-3.45
PDE7A	0.427054	0.427054	1.344485	1.344485	6.1488	2.4235	0.017152	0.075747	-3.445
PPBP	0.576311	0.576311	1.491032	1.491032	9.0853	2.4193	0.017338	0.075871	-3.455
VWF	1.54418	1.54418	2.916382	2.916382	11.371	2.4172	0.017433	0.075994	-3.459
MMP16	0.61568	0.61568	1.53228	1.53228	8.7101	2.413	0.017623	0.076526	-3.469
FGF12	0.581137	0.581137	1.496027	1.496027	6.2085	2.408	0.017852	0.077223	-3.48
LGALS3	-0.46934	0.469343	1.384479	-1.38448	16.068	-2.392	0.018599	0.080148	-3.514
IL17F	-0.22981	0.22981	1.17268	-1.17268	6.9919	-2.385	0.018958	0.081381	-3.531
EFNA4	-0.4845	0.484503	1.399104	-1.3991	8.0166	-2.377	0.019353	0.082764	-3.548
DSG1	-0.54241	0.542412	1.456405	-1.45641	10.02	-2.37	0.01967	0.083687	-3.562
PIIB	0.227269	0.227269	1.170617	1.170617	9.7549	2.368	0.019791	0.083687	-3.567
FUT5	1.77926	1.77926	3.432502	3.432502	13.654	2.3687	0.019755	0.083687	-3.566
GAS1	0.263964	0.263964	1.200773	1.200773	6.6847	2.3609	0.020149	0.084253	-3.582
MAP2K4	0.49471	0.49471	1.409038	1.409038	8.9662	2.361	0.020146	0.084253	-3.582
PGAM1	2.365185	2.365185	5.152187	5.152187	15.215	2.3631	0.020036	0.084253	-3.578
NOV	-0.29987	0.299875	1.231038	-1.23104	6.7409	-2.358	0.020313	0.084624	-3.589
CFD	-0.6795	0.679503	1.601588	-1.60159	10.936	-2.34	0.021237	0.085554	-3.627
RTN4	-0.49037	0.490371	1.404806	-1.40481	15.881	-2.334	0.021561	0.085554	-3.64
BOC	-0.43861	0.438606	1.355294	-1.35529	5.5915	-2.334	0.021597	0.085554	-3.641
HS6ST1	-0.35388	0.35388	1.277993	-1.27799	5.8865	-2.345	0.020959	0.085554	-3.616
CD80	-0.27117	0.271169	1.206785	-1.20679	7.055	-2.335	0.021521	0.085554	-3.638
ESM1	0.247073	0.247073	1.186797	1.186797	7.502	2.3389	0.02131	0.085554	-3.63
BMP6	0.248759	0.248759	1.188184	1.188184	7.9153	2.3475	0.020853	0.085554	-3.612
CLEC7A	0.329623	0.329623	1.256685	1.256685	9.1594	2.3435	0.021065	0.085554	-3.62
FAM107B	0.547492	0.547492	1.461543	1.461543	7.3795	2.3381	0.021356	0.085554	-3.632
IL17RA	0.814419	0.814419	1.758589	1.758589	7.603	2.3505	0.020692	0.085554	-3.605
IL6	1.125811	1.125811	2.182242	2.182242	8.7492	2.3342	0.021565	0.085554	-3.64
SERPINA1	1.207536	1.207536	2.309428	2.309428	11.45	2.3346	0.021545	0.085554	-3.639
FGG	1.254474	1.254474	2.385802	2.385802	13.451	2.3455	0.020957	0.085554	-3.616
HPX	1.335832	1.335832	2.524211	2.524211	9.1691	2.3362	0.021457	0.085554	-3.636
SPTAN1	0.460339	0.460339	1.375865	1.375865	5.7395	2.3277	0.021922	0.086538	-3.654
RPSA	-0.52811	0.528114	1.442042	-1.44204	9.679	-2.324	0.022127	0.087045	-3.662
PRKAA2	1.167302	1.167302	2.245913	2.245913	9.3047	2.3214	0.022276	0.087325	-3.667
DYRK3	0.292904	0.292904	1.225104	1.225104	9.7649	2.3195	0.02238	0.087429	-3.671
PPIE	-0.90287	0.902869	1.86978	-1.86978	7.8946	-2.31	0.022944	0.089322	-3.692
MMEL1	0.21492	0.21492	1.160639	1.160639	8.7751	2.3068	0.023109	0.089655	-3.699
GHR	-0.31355	0.313549	1.242761	-1.24276	6.7627	-2.298	0.023644	0.091418	-3.718
CCL24	-0.23035	0.230349	1.173119	-1.17312	6.818	-2.285	0.024381	0.093945	-3.744

GNLY	1.014448	1.014448	2.02013	2.02013	8.2587	2.2754	0.024996	0.09599	-3.765
KLRF1	0.222852	0.222852	1.167039	1.167039	6.4362	2.2716	0.025233	0.096245	-3.773
LILRB2	0.850163	0.850163	1.802705	1.802705	9.6277	2.2727	0.025164	0.096245	-3.77
TNFSF9	-0.28554	0.285539	1.218865	-1.21887	6.0581	-2.268	0.025482	0.096492	-3.781
LMNB1	0.39188	0.39188	1.312102	1.312102	8.2673	2.2687	0.025414	0.096492	-3.779
CD5L	1.200243	1.200243	2.297783	2.297783	14.699	2.2665	0.025555	0.096492	-3.783
CRISP3	-1.65142	1.651418	3.141423	-3.14142	13.647	-2.256	0.026206	0.097968	-3.805
NTRK3	0.235361	0.235361	1.177202	1.177202	6.6354	2.2573	0.02614	0.097968	-3.802
CAPG	1.300671	1.300671	2.463434	2.463434	11.31	2.2587	0.026055	0.097968	-3.8
SERPINE2	0.618664	0.618664	1.535452	1.535452	9.6031	2.2471	0.026807	0.099885	-3.824
SST	0.181423	0.181423	1.134002	1.134002	6.8789	2.2405	0.027247	0.101188	-3.837
EDA	-0.32339	0.323386	1.251264	-1.25126	7.9027	-2.221	0.028563	0.104701	-3.877
BIRC5	-0.23325	0.233246	1.175477	-1.17548	6.8407	-2.223	0.028426	0.104701	-3.873
NSFL1C	0.606972	0.606972	1.52306	1.52306	8.1437	2.2218	0.02853	0.104701	-3.876
APOA1	1.865013	1.865013	3.642712	3.642712	12.139	2.2246	0.028332	0.104701	-3.87
DDR1	-0.64526	0.645259	1.56402	-1.56402	8.988	-2.216	0.028935	0.105003	-3.888
MRC2	-0.38652	0.386519	1.307235	-1.30724	11.07	-2.218	0.028827	0.105003	-3.885
MPL	-0.22132	0.221324	1.165803	-1.1658	6.128	-2.214	0.029111	0.105003	-3.893
TNFSF4	-0.21043	0.210429	1.157032	-1.15703	6.5612	-2.215	0.029022	0.105003	-3.89
ADCYAP1	0.195533	0.195533	1.145147	1.145147	7.6411	2.2146	0.029037	0.105003	-3.891
RBP4	0.545558	0.545558	1.459584	1.459584	10.388	2.2076	0.029533	0.105852	-3.905
MMP1	0.668947	0.668947	1.589912	1.589912	7.695	2.2085	0.02947	0.105852	-3.903
RASA1	-0.28678	0.28678	1.219915	-1.21991	8.7505	-2.205	0.029703	0.106122	-3.91
LGALS2	0.21738	0.21738	1.16262	1.16262	6.6673	2.2007	0.030037	0.106976	-3.919
CDH6	0.269934	0.269934	1.205753	1.205753	8.153	2.1988	0.030176	0.107134	-3.923
IL4R	-0.26523	0.265233	1.20183	-1.20183	5.6465	-2.193	0.030566	0.10784	-3.934
FN1	0.88081	0.88081	1.841408	1.841408	14.487	2.1939	0.030536	0.10784	-3.933
ULBP3	-0.31576	0.315764	1.244671	-1.24467	7.8271	-2.189	0.030872	0.108582	-3.942
WISP1	-0.40154	0.401541	1.320918	-1.32092	12.962	-2.188	0.031006	0.108714	-3.945
GPT	-0.51897	0.518972	1.432934	-1.43293	13.883	-2.182	0.031392	0.109702	-3.956
CMPK1	0.294226	0.294226	1.226227	1.226227	10.029	2.1813	0.031482	0.109702	-3.958
PGD	1.804274	1.804274	3.492533	3.492533	16.729	2.1769	0.031817	0.110529	-3.967
MAPK3	1.220672	1.220672	2.330552	2.330552	12.453	2.1754	0.031935	0.110598	-3.97
TNFRSF9	-0.20939	0.209389	1.156198	-1.1562	5.8228	-2.173	0.032087	0.110784	-3.974
GDF9	-0.36238	0.362383	1.285547	-1.28555	8.4342	-2.17	0.032378	0.111446	-3.982
GRAP2	0.184556	0.184556	1.136467	1.136467	7.6113	2.1646	0.032778	0.112141	-3.992
KIT	0.426923	0.426923	1.344363	1.344363	9.4166	2.1649	0.032749	0.112141	-3.991
YWHAB	-0.43393	0.433931	1.350909	-1.35091	15.305	-2.163	0.032905	0.112234	-3.995
PRDX1	-0.52112	0.521123	1.435072	-1.43507	16.267	-2.16	0.033104	0.112575	-4
GREM1	0.251323	0.251323	1.190298	1.190298	5.7424	2.1567	0.0334	0.113238	-4.007
GNS	-0.65566	0.655655	1.575331	-1.57533	11.96	-2.153	0.033701	0.113578	-4.015
NCR3	-0.22771	0.22771	1.170975	-1.17097	5.9289	-2.154	0.033624	0.113578	-4.013
ADAMTS1	-0.1905	0.190495	1.141155	-1.14116	6.0705	-2.148	0.034067	0.11447	-4.024
MAP2K2	0.558618	0.558618	1.472857	1.472857	8.6057	2.1466	0.034218	0.114635	-4.028
CLEC4M	-0.2785	0.2785	1.212933	-1.21293	15.746	-2.141	0.034689	0.115529	-4.039
CMA1	0.804202	0.804202	1.74618	1.74618	9.8464	2.1417	0.034626	0.115529	-4.037
F3	0.39593	0.39593	1.31579	1.31579	7.956	2.1309	0.035525	0.117962	-4.059
CTSA	-0.70962	0.709618	1.635372	-1.63537	14.406	-2.125	0.036013	0.119235	-4.07
NMT1	0.578076	0.578076	1.492857	1.492857	10.049	2.1227	0.036221	0.119572	-4.075
COL23A1	0.514205	0.514205	1.428207	1.428207	7.3771	2.1213	0.036346	0.119634	-4.078
IL17D	-0.28374	0.28374	1.217347	-1.21735	7.0795	-2.119	0.036544	0.119937	-4.082
FGF1	-0.42435	0.424349	1.341967	-1.34197	6.2259	-2.11	0.037336	0.121477	-4.1
ADAMTS1	0.850853	0.850853	1.803567	1.803567	6.5431	2.1103	0.037307	0.121477	-4.099
ERAP1	1.253146	1.253146	2.383606	2.383606	11.939	2.1122	0.037138	0.121477	-4.096
TNFRSF1C	0.227523	0.227523	1.170823	1.170823	8.004	2.104	0.037862	0.122835	-4.112
PPBP_X2	0.76246	0.76246	1.696381	1.696381	11.554	2.1	0.038222	0.123647	-4.119
CST4	-0.75575	0.755746	1.688505	-1.68851	10.773	-2.087	0.039407	0.126067	-4.145
EPHB6	-0.27603	0.276026	1.210855	-1.21085	8.2482	-2.09	0.039091	0.126067	-4.138
ARG1	-0.23984	0.23984	1.180862	-1.18086	7.5584	-2.087	0.039417	0.126067	-4.145

CAMK2A	0.908347	0.908347	1.876893	1.876893	8.4737	2.0886	0.039254	0.126067	-4.141
CCL27	0.198128	0.198128	1.147209	1.147209	6.7219	2.0845	0.039638	0.126417	-4.149
PROC_X2	0.491163	0.491163	1.405577	1.405577	7.5073	2.0757	0.040463	0.128685	-4.166
KAT6A	0.285373	0.285373	1.218725	1.218725	8.446	2.0734	0.040678	0.129003	-4.171
IMPDH2	-0.3625	0.362497	1.285649	-1.28565	11.971	-2.069	0.041083	0.129198	-4.179
PIK3CG	-0.21405	0.214049	1.159939	-1.15994	9.509	-2.071	0.040893	0.129198	-4.175
HINT1	-0.18778	0.187778	1.139008	-1.13901	5.955	-2.069	0.041062	0.129198	-4.179
CD84	0.274845	0.274845	1.209864	1.209864	9.0187	2.0638	0.0416	0.130462	-4.189
OMD	-0.65571	0.655711	1.575392	-1.57539	8.5753	-2.062	0.041752	0.130515	-4.192
C3_X4	-0.31154	0.311539	1.241031	-1.24103	5.0138	-2.061	0.041848	0.130515	-4.194
VCAM1	-0.24179	0.241785	1.182455	-1.18245	8.9105	-2.059	0.042087	0.130899	-4.199
ABL2	0.220493	0.220493	1.165131	1.165131	8.1576	2.0572	0.042248	0.131038	-4.202
CFH	-0.31812	0.318122	1.246706	-1.24671	16.64	-2.053	0.042676	0.132003	-4.21
NRXN3	-0.5411	0.541098	1.455079	-1.45508	11.54	-2.05	0.042977	0.132268	-4.216
GSK3A	0.928336	0.928336	1.903079	1.903079	10.243	2.0496	0.042996	0.132268	-4.217
REN	-0.24811	0.24811	1.18765	-1.18765	7.2045	-2.048	0.043188	0.132498	-4.22
APOE_X4	-0.79431	0.794307	1.734244	-1.73424	15.681	-2.039	0.044014	0.134261	-4.236
RTN4R	-0.61207	0.612071	1.528452	-1.52845	9.9884	-2.039	0.044078	0.134261	-4.237
WNT7A	-0.20391	0.203905	1.151812	-1.15181	5.9597	-2.038	0.04417	0.134261	-4.239
SCARF2	0.203989	0.203989	1.151879	1.151879	6.7228	2.0361	0.044357	0.134261	-4.242
KLKB1	1.920034	1.920034	3.784321	3.784321	10.354	2.0366	0.044303	0.134261	-4.241
AURKA	-0.25069	0.250691	1.189777	-1.18978	8.3621	-2.034	0.044609	0.134663	-4.247
LIN7B	-0.53112	0.53112	1.445051	-1.44505	7.8706	-2.03	0.044951	0.135333	-4.253
PDGFRB	-0.17391	0.17391	1.128111	-1.12811	6.8898	-2.025	0.045507	0.135561	-4.263
CASP2	0.222617	0.222617	1.166848	1.166848	5.6958	2.0273	0.045272	0.135561	-4.259
ICAM3	0.237137	0.237137	1.178652	1.178652	8.4967	2.0283	0.045161	0.135561	-4.257
CDH12	0.261804	0.261804	1.198977	1.198977	7.3656	2.0257	0.045436	0.135561	-4.262
CAMK2B	1.028468	1.028468	2.039856	2.039856	9.7713	2.0135	0.046721	0.138812	-4.285
FN1_X2	0.881228	0.881228	1.841942	1.841942	12.771	2.0115	0.046938	0.139089	-4.289
MET	-1.00779	1.007793	2.010833	-2.01083	9.9626	-2.007	0.047474	0.1401	-4.298
L1CAM	-0.31277	0.312771	1.242091	-1.24209	4.88	-2.001	0.048024	0.1401	-4.307
NPPA	0.211601	0.211601	1.157973	1.157973	7.0022	2.0034	0.047809	0.1401	-4.304
IL1RAPL2	0.230848	0.230848	1.173524	1.173524	8.3484	2.0055	0.04758	0.1401	-4.3
MAP3K7	0.293732	0.293732	1.225807	1.225807	9.1516	2.0043	0.04772	0.1401	-4.302
SIGLEC7	0.637345	0.637345	1.555464	1.555464	10.302	2.0018	0.047991	0.1401	-4.307
CD200R1	0.341424	0.341424	1.267007	1.267007	7.1389	1.9997	0.048216	0.140201	-4.311
CTGF	0.549321	0.549321	1.463397	1.463397	8.4896	1.9989	0.048307	0.140201	-4.312
UBE2I	0.518646	0.518646	1.43261	1.43261	14.203	1.992	0.049071	0.142054	-4.325
TGM3	-1.46565	1.465646	2.761871	-2.76187	13.666	-1.985	0.049838	0.143173	-4.338
PDGFA	0.175234	0.175234	1.129147	1.129147	6.7435	1.986	0.049743	0.143173	-4.336
MMP10	0.488142	0.488142	1.402638	1.402638	7.9203	1.9863	0.049709	0.143173	-4.335
STX1A	0.485352	0.485352	1.399928	1.399928	7.5344	1.984	0.049973	0.143197	-4.34
GZMA	-0.53477	0.53477	1.448711	-1.44871	7.1806	-1.981	0.050321	0.143828	-4.345
CNTN5	-0.25203	0.252032	1.190883	-1.19088	6.1484	-1.974	0.051079	0.145419	-4.358
CDC37	-0.24797	0.247972	1.187536	-1.18754	5.8913	-1.974	0.051135	0.145419	-4.358
BPI	0.867291	0.867291	1.824234	1.824234	15.511	1.9722	0.051323	0.145588	-4.361
PLCG1	0.817359	0.817359	1.762177	1.762177	7.2663	1.9696	0.05162	0.146064	-4.366
SLITRK5	0.707049	0.707049	1.632462	1.632462	7.987	1.9637	0.05231	0.147644	-4.377
PTPN2	0.414258	0.414258	1.332613	1.332613	7.2638	1.9578	0.053018	0.149271	-4.388
TNFSF8	-0.16528	0.165279	1.121383	-1.12138	8.0932	-1.956	0.053213	0.149446	-4.391
EIF5A	-0.80303	0.803029	1.744761	-1.74476	11.706	-1.952	0.053662	0.150333	-4.398
METAP1	0.851658	0.851658	1.804573	1.804573	10.084	1.9505	0.053886	0.150586	-4.401
SIGLEC1	-0.29251	0.292515	1.224773	-1.22477	4.7577	-1.947	0.054307	0.151391	-4.407
CFI	1.877034	1.877034	3.673192	3.673192	13.275	1.9441	0.054662	0.152004	-4.413
ANG	-0.4679	0.467901	1.383096	-1.3831	16.082	-1.941	0.055062	0.152739	-4.419
ABL1	-0.21624	0.216236	1.161699	-1.1617	5.7904	-1.919	0.057758	0.159826	-4.457
IL25	-0.25556	0.255559	1.193798	-1.1938	5.4886	-1.915	0.058296	0.160528	-4.465
CD86	0.276522	0.276522	1.211271	1.211271	6.0833	1.9154	0.058275	0.160528	-4.465
IMPDH1	-1.02784	1.02784	2.038969	-2.03897	11.578	-1.901	0.060208	0.161581	-4.491

APOE_X3	-0.73846	0.738456	1.668389	-1.66839	14.861	-1.907	0.059382	0.161581	-4.48
IL5RA	-0.22632	0.226317	1.169845	-1.16984	6.9367	-1.899	0.060396	0.161581	-4.493
ENTPD3	-0.20758	0.207583	1.154752	-1.15475	8.775	-1.908	0.059278	0.161581	-4.478
BMX	-0.15801	0.158012	1.115749	-1.11575	6.6828	-1.9	0.060336	0.161581	-4.493
ANGPT4	0.182671	0.182671	1.134983	1.134983	6.6453	1.9004	0.060239	0.161581	-4.491
CST7	0.230744	0.230744	1.17344	1.17344	6.4389	1.9086	0.059151	0.161581	-4.477
EHMT2	0.302841	0.302841	1.233571	1.233571	9.1645	1.9089	0.059111	0.161581	-4.476
PARK7	0.568269	0.568269	1.482744	1.482744	10.204	1.9035	0.059824	0.161581	-4.486
GFRA2	0.662918	0.662918	1.583282	1.583282	11.276	1.9051	0.059613	0.161581	-4.483
NOTCH1	0.68124	0.68124	1.603517	1.603517	6.9318	1.9039	0.059776	0.161581	-4.485
CD163	1.095155	1.095155	2.136361	2.136361	7.0061	1.9026	0.059941	0.161581	-4.487
NAGK	1.89831	1.89831	3.727762	3.727762	13.247	1.8939	0.0611	0.163077	-4.503
TSLP	-0.17529	0.175292	1.129193	-1.12919	5.9941	-1.89	0.061623	0.164086	-4.51
THBS1	0.664973	0.664973	1.585538	1.585538	12.504	1.8847	0.06234	0.165603	-4.519
SERPINC1	-1.49904	1.499043	2.826552	-2.82655	12.449	-1.882	0.062728	0.165854	-4.524
IL12A	0.20933	0.20933	1.156151	1.156151	8.2843	1.8828	0.062607	0.165854	-4.522
OCIAD1	0.236241	0.236241	1.177919	1.177919	8.8272	1.8787	0.063176	0.166649	-4.53
CAMKK1	-0.30982	0.309819	1.239552	-1.23955	12.176	-1.872	0.064077	0.16863	-4.541
MMP7	-0.70306	0.703063	1.627957	-1.62796	14.859	-1.87	0.064413	0.169121	-4.545
ESR1	0.198554	0.198554	1.147548	1.147548	7.0581	1.8673	0.064764	0.169649	-4.55
ASAH2	-0.16766	0.167662	1.123237	-1.12324	7.1927	-1.863	0.06542	0.170182	-4.558
TNFRSF14	0.308333	0.308333	1.238276	1.238276	6.4511	1.8628	0.065397	0.170182	-4.557
HSPA1A	0.501553	0.501553	1.415737	1.415737	15.05	1.8647	0.06513	0.170182	-4.554
ICOS	0.202993	0.202993	1.151084	1.151084	7.3835	1.8604	0.065741	0.170232	-4.562
HP	1.117015	1.117015	2.168977	2.168977	14.519	1.8608	0.065687	0.170232	-4.561
ERBB3	-0.46528	0.465281	1.380587	-1.38059	8.8157	-1.857	0.066254	0.170779	-4.568
NTF3	-0.15561	0.155612	1.113894	-1.11389	5.596	-1.857	0.066231	0.170779	-4.568
FN1_X3	0.767377	0.767377	1.702173	1.702173	13.351	1.8546	0.066571	0.171204	-4.572
IL34	-0.44704	0.447037	1.363237	-1.36324	9.1982	-1.852	0.066888	0.171629	-4.576
SPHK2	-0.1684	0.168401	1.123812	-1.12381	6.7653	-1.851	0.067131	0.171761	-4.578
PDE9A	0.431593	0.431593	1.348722	1.348722	7.2596	1.85	0.067244	0.171761	-4.58
METAP2	0.915103	0.915103	1.885704	1.885704	11.826	1.842	0.068407	0.174336	-4.594
CXCL3	0.888564	0.888564	1.851333	1.851333	10.171	1.8399	0.068721	0.174744	-4.597
PSPN	-0.21631	0.216308	1.161757	-1.16176	5.6878	-1.835	0.0695	0.175932	-4.606
FLRT1	0.239022	0.239022	1.180193	1.180193	7.3095	1.8348	0.069475	0.175932	-4.606
IGFBP1	-0.21649	0.216487	1.161901	-1.1619	6.0902	-1.826	0.070871	0.179001	-4.622
KLK3	-0.21582	0.215822	1.161365	-1.16137	5.3314	-1.823	0.07125	0.179557	-4.626
PLG	1.048299	1.048299	2.06809	2.06809	9.7854	1.8188	0.0719	0.180791	-4.633
STK17B	0.335662	0.335662	1.261956	1.261956	10.138	1.8133	0.072762	0.182148	-4.643
SYNCRIP	0.513939	0.513939	1.427944	1.427944	10.149	1.814	0.07264	0.182148	-4.642
NME1	0.452109	0.452109	1.368039	1.368039	13.82	1.8119	0.07297	0.182263	-4.645
BMPR2	-0.18186	0.181857	1.134343	-1.13434	6.6223	-1.811	0.073187	0.182402	-4.647
PIM1	0.197087	0.197087	1.146381	1.146381	7.3571	1.8067	0.073795	0.183511	-4.654
RET	-0.16062	0.160623	1.117769	-1.11777	7.8198	-1.802	0.074559	0.185005	-4.662
IL19	0.366114	0.366114	1.288877	1.288877	6.5128	1.797	0.075322	0.186488	-4.67
IL16	0.58044	0.58044	1.495305	1.495305	14.272	1.7958	0.075511	0.186546	-4.672
JAM3	-0.49452	0.494519	1.408851	-1.40885	8.9939	-1.788	0.076715	0.189108	-4.685
CNDP2	0.323294	0.323294	1.251184	1.251184	8.5911	1.7844	0.077369	0.190305	-4.692
MATN3	0.250379	0.250379	1.18952	1.18952	5.851	1.7821	0.077736	0.190791	-4.695
COMMD7	0.487537	0.487537	1.402049	1.402049	9.999	1.7788	0.078277	0.191703	-4.701
TACSTD2	-0.12534	0.125337	1.090763	-1.09076	6.4148	-1.776	0.078759	0.192466	-4.706
CGA_X3	0.353892	0.353892	1.278004	1.278004	6.2723	1.7741	0.079059	0.192596	-4.709
FGG_XX	0.662824	0.662824	1.583179	1.583179	15.548	1.7735	0.079154	0.192596	-4.71
SOD2	-0.23605	0.236053	1.177766	-1.17777	14.439	-1.769	0.079945	0.193685	-4.718
NXPH1	0.399182	0.399182	1.31876	1.31876	11.026	1.7692	0.079881	0.193685	-4.717
KLK5	-0.33309	0.333093	1.259711	-1.25971	5.9421	-1.768	0.080143	0.19375	-4.72
PPY	0.147927	0.147927	1.107977	1.107977	6.8721	1.7655	0.080495	0.194186	-4.723
ARPP19	0.408235	0.408235	1.327061	1.327061	6.6808	1.7612	0.081231	0.195544	-4.73
CAMK2D	0.729342	0.729342	1.657883	1.657883	10.504	1.759	0.081607	0.19603	-4.734

ENPP7	-0.22133	0.221329	1.165807	-1.16581	5.245	-1.755	0.082281	0.19723	-4.74
PROS1	1.089313	1.089313	2.127727	2.127727	8.4896	1.7531	0.082623	0.19763	-4.744
MAPKAPK	0.884493	0.884493	1.846115	1.846115	10.924	1.7521	0.082801	0.197636	-4.745
NCR1	0.42781	0.42781	1.34519	1.34519	9.4225	1.7448	0.084054	0.200205	-4.757
PTEN	0.515597	0.515597	1.429585	1.429585	6.976	1.7373	0.085388	0.202529	-4.77
SERPING1	0.96341	0.96341	1.949914	1.949914	12.548	1.7373	0.085387	0.202529	-4.77
BCL2A1	0.343176	0.343176	1.268546	1.268546	10.88	1.7343	0.085919	0.20336	-4.774
ANXA6	0.519758	0.519758	1.433715	1.433715	10.119	1.7331	0.08613	0.203432	-4.776
IL10	-0.18279	0.182786	1.135074	-1.13507	6.5972	-1.724	0.087689	0.205396	-4.79
CRLF1	-0.17122	0.171224	1.126013	-1.12601	6.4587	-1.726	0.08745	0.205396	-4.788
ICAM2	-0.13933	0.139327	1.101391	-1.10139	7.1718	-1.724	0.087679	0.205396	-4.79
PTPN11	1.033648	1.033648	2.047194	2.047194	9.7356	1.7269	0.087252	0.205396	-4.787
CDC42BPI	0.208896	0.208896	1.155803	1.155803	9.2126	1.7232	0.087908	0.205483	-4.792
CXCL16	-0.15171	0.151712	1.110887	-1.11089	8.5007	-1.718	0.088794	0.207125	-4.8
ARSA	0.323928	0.323928	1.251734	1.251734	8.5968	1.7071	0.090885	0.211565	-4.819
DDR2	-0.18797	0.187966	1.139156	-1.13916	9.8626	-1.701	0.091934	0.213566	-4.828
SEMA6A	0.471065	0.471065	1.386132	1.386132	7.8556	1.7003	0.09215	0.213628	-4.829
AKT1	0.981482	0.981482	1.974492	1.974492	12.223	1.6976	0.09267	0.214394	-4.834
DYNLL1	0.223952	0.223952	1.167929	1.167929	6.7249	1.695	0.093155	0.214636	-4.838
CAPN1	0.317986	0.317986	1.246589	1.246589	16.128	1.6955	0.093059	0.214636	-4.837
KLK14	0.263667	0.263667	1.200526	1.200526	10.964	1.6898	0.094147	0.21648	-4.846
AMN	0.298661	0.298661	1.230003	1.230003	7.2177	1.6854	0.095001	0.218	-4.853
KIF23	-0.45126	0.451261	1.367235	-1.36723	7.8718	-1.679	0.096151	0.220192	-4.863
FABP5	-0.65868	0.658684	1.578642	-1.57864	8.9057	-1.678	0.096516	0.220526	-4.866
AGRP	-0.24942	0.249415	1.188725	-1.18873	6.2427	-1.677	0.096688	0.220526	-4.867
PDE11A	-0.3115	0.311502	1.240999	-1.241	9.0528	-1.671	0.097795	0.222303	-4.876
LRPAP1	0.525792	0.525792	1.439723	1.439723	10.757	1.6708	0.097861	0.222303	-4.876
F9_X2	0.687578	0.687578	1.610577	1.610577	7.3934	1.6638	0.099261	0.225031	-4.887
IL12B	-0.20135	0.201346	1.14977	-1.14977	5.646	-1.659	0.100251	0.226821	-4.895
CD200	0.15057	0.15057	1.110008	1.110008	7.1932	1.6546	0.101107	0.2283	-4.902
TEK	-0.11656	0.116561	1.084147	-1.08415	6.7755	-1.652	0.101564	0.228873	-4.905
NBL1	-0.13993	0.139933	1.101854	-1.10185	6.7279	-1.651	0.101803	0.228954	-4.907
DUSP3	-0.39687	0.396871	1.316649	-1.31665	6.6599	-1.64	0.104098	0.232265	-4.924
GRN	-0.23351	0.233507	1.175689	-1.17569	16.194	-1.639	0.104303	0.232265	-4.926
BIRC7	-0.22142	0.221425	1.165885	-1.16588	4.7526	-1.639	0.104296	0.232265	-4.926
GCG	-0.1497	0.149697	1.109336	-1.10934	6.7253	-1.641	0.103954	0.232265	-4.923
IL11	0.154401	0.154401	1.112959	1.112959	5.6757	1.6425	0.103588	0.232265	-4.92
GOT1	-0.38127	0.381266	1.302484	-1.30248	11.682	-1.638	0.104531	0.232313	-4.927
CKB	-0.35576	0.355758	1.279658	-1.27966	7.5498	-1.637	0.104798	0.232451	-4.929
GSTP1	-0.25583	0.255833	1.194025	-1.19402	14.696	-1.633	0.105664	0.233911	-4.936
RPS27A_X	-0.22934	0.229339	1.172298	-1.1723	15.834	-1.629	0.106335	0.234432	-4.941
CDK2	-0.16577	0.165769	1.121764	-1.12176	6.6247	-1.629	0.106522	0.234432	-4.942
MSN	0.429085	0.429085	1.34638	1.34638	12.943	1.6301	0.106201	0.234432	-4.94
IL7	-0.22311	0.223106	1.167244	-1.16724	5.3422	-1.624	0.107469	0.236055	-4.949
Protein Re	-0.24279	0.242795	1.183283	-1.18328	6.024	-1.618	0.108876	0.237301	-4.959
HCK	-0.20373	0.203728	1.15167	-1.15167	5.3285	-1.617	0.109093	0.237301	-4.96
JAK2	0.242688	0.242688	1.183195	1.183195	8.1469	1.6175	0.108897	0.237301	-4.959
SIRT2	0.445171	0.445171	1.361475	1.361475	12.228	1.6148	0.109468	0.237301	-4.963
MAPK14	0.801701	0.801701	1.743156	1.743156	11.638	1.6146	0.109507	0.237301	-4.963
C5_X2	0.874417	0.874417	1.833267	1.833267	10.825	1.6153	0.109358	0.237301	-4.962
C9	1.471488	1.471488	2.773077	2.773077	12.576	1.6172	0.108963	0.237301	-4.959
PDPK1	0.626129	0.626129	1.543419	1.543419	9.1204	1.6107	0.110376	0.238725	-4.969
FGF17	-0.21166	0.211662	1.158021	-1.15802	5.1068	-1.605	0.111632	0.240576	-4.978
HDGFRP2	0.308958	0.308958	1.238813	1.238813	7.5522	1.6048	0.111658	0.240576	-4.978
GNMB	-0.72054	0.720536	1.647794	-1.64779	12.506	-1.599	0.112963	0.242621	-4.987
CPNE1	0.72163	0.72163	1.649044	1.649044	13.779	1.5986	0.113037	0.242621	-4.988
FCN2	-0.19825	0.198252	1.147308	-1.14731	7.5465	-1.597	0.113348	0.242827	-4.99
TPT1	-0.30253	0.302528	1.233303	-1.2333	16.589	-1.59	0.115064	0.246037	-5.001
IGF1R	0.452992	0.452992	1.368876	1.368876	7.3481	1.5831	0.116523	0.248685	-5.011

TNFSF18	-0.14299	0.142988	1.10419	-1.10419	6.5104	-1.579	0.117419	0.249654	-5.017
DDX19B	0.176353	0.176353	1.130023	1.130023	7.0904	1.58	0.117245	0.249654	-5.016
CST6	-0.55448	0.554483	1.468642	-1.46864	12.421	-1.577	0.117981	0.250377	-5.02
ROBO3	0.162945	0.162945	1.119571	1.119571	6.1542	1.5739	0.11863	0.251281	-5.025
HBEGF	-0.1683	0.168301	1.123734	-1.12373	5.4418	-1.569	0.119797	0.252805	-5.032
PDE2A	0.210671	0.210671	1.157226	1.157226	11.273	1.5698	0.119587	0.252805	-5.031
PSMA1	1.149073	1.149073	2.217714	2.217714	8.7657	1.5677	0.120071	0.252912	-5.034
TNFRSF13	0.433836	0.433836	1.350821	1.350821	9.2709	1.5634	0.121085	0.254573	-5.04
AKR1A1	-0.52846	0.528455	1.442384	-1.44238	15.927	-1.554	0.123414	0.258506	-5.055
LAG3	-0.40808	0.408083	1.326921	-1.32692	5.4988	-1.554	0.123292	0.258506	-5.054
CDK8	-0.16427	0.164273	1.120601	-1.1206	8.6215	-1.551	0.12413	0.259524	-5.059
CHEK1	0.144886	0.144886	1.105644	1.105644	7.0194	1.5496	0.124363	0.259531	-5.061
KLK11	-0.87175	0.871748	1.829878	-1.82988	11.544	-1.543	0.126044	0.262552	-5.071
TF	1.310993	1.310993	2.481123	2.481123	14.599	1.5402	0.126628	0.263283	-5.074
NUDCD3	0.460154	0.460154	1.375689	1.375689	6.7175	1.5388	0.126975	0.26352	-5.076
EIF4G2	0.60272	0.60272	1.518577	1.518577	9.5879	1.5377	0.127248	0.263601	-5.078
MBD4	0.144833	0.144833	1.105603	1.105603	6.9526	1.5324	0.128557	0.264699	-5.086
TDGF1	0.174471	0.174471	1.12855	1.12855	6.0069	1.5308	0.12895	0.264699	-5.088
CD207	0.291149	0.291149	1.223614	1.223614	5.8765	1.5312	0.128843	0.264699	-5.087
INSR	0.508331	0.508331	1.422404	1.422404	6.6503	1.5333	0.128331	0.264699	-5.084
TNFAIP6	0.696606	0.696606	1.620687	1.620687	5.5954	1.531	0.128897	0.264699	-5.088
IGFBP4	-0.93768	0.937679	1.915444	-1.91544	10.874	-1.52	0.131745	0.269901	-5.104
TNFRSF17	0.47047	0.47047	1.385561	1.385561	7.0929	1.5187	0.131962	0.269901	-5.106
MAPK13	0.815019	0.815019	1.759322	1.759322	8.8573	1.5156	0.132747	0.271015	-5.11
DKK3	-0.27727	0.277269	1.211899	-1.2119	9.7717	-1.514	0.133144	0.271335	-5.112
SCT	-0.18301	0.183005	1.135246	-1.13525	5.2753	-1.511	0.133797	0.272175	-5.116
DKKL1	0.226022	0.226022	1.169606	1.169606	11.023	1.5084	0.134578	0.27327	-5.12
CADM1	-0.1272	0.127195	1.092168	-1.09217	6.3025	-1.5	0.136703	0.276592	-5.132
UBE2N	0.377557	0.377557	1.299141	1.299141	14.082	1.5009	0.136514	0.276592	-5.131
HAVCR2	0.215805	0.215805	1.161352	1.161352	7.0493	1.4953	0.137945	0.277842	-5.139
ADSL	0.450644	0.450644	1.36665	1.36665	8.9347	1.4955	0.137915	0.277842	-5.139
ECM1	0.528064	0.528064	1.441993	1.441993	11.004	1.4949	0.13806	0.277842	-5.14
ESAM	-0.30059	0.300594	1.231652	-1.23165	9.9191	-1.487	0.140204	0.281074	-5.151
IL11RA	-0.22679	0.226794	1.170232	-1.17023	7.3808	-1.487	0.140022	0.281074	-5.15
PLK1	-0.18294	0.182936	1.135192	-1.13519	5.4604	-1.486	0.140412	0.281074	-5.152
YES1	-0.46371	0.463706	1.37908	-1.37908	8.683	-1.48	0.142099	0.283946	-5.161
SELL	0.41649	0.41649	1.334676	1.334676	13.561	1.4716	0.144245	0.287726	-5.172
FABP3	-0.62127	0.621268	1.538227	-1.53823	8.2049	-1.466	0.145844	0.290402	-5.181
DDC	-0.15807	0.158071	1.115794	-1.11579	5.9514	-1.459	0.147699	0.293062	-5.19
GAPDH	0.809588	0.809588	1.752711	1.752711	16.852	1.4597	0.147486	0.293062	-5.189
MAPK8	-0.58691	0.586913	1.502029	-1.50203	8.5529	-1.457	0.14809	0.293203	-5.192
CSK	0.870255	0.870255	1.827986	1.827986	12.708	1.4567	0.148289	0.293203	-5.193
APOE_X2	-0.80927	0.809266	1.75232	-1.75232	14.303	-1.456	0.148607	0.293318	-5.195
ALB	-0.33054	0.330536	1.257481	-1.25748	17.395	-1.45	0.150128	0.293492	-5.202
CXCL12	-0.15544	0.155437	1.113759	-1.11376	5.8392	-1.451	0.149958	0.293492	-5.201
CD48	0.118107	0.118107	1.08531	1.08531	6.9657	1.4487	0.150515	0.293492	-5.204
PLAUR	0.30034	0.30034	1.231435	1.231435	7.6866	1.4496	0.150261	0.293492	-5.203
TNFSF12	0.347043	0.347043	1.271951	1.271951	8.2874	1.4535	0.149183	0.293492	-5.197
TNFRSF14	0.617536	0.617536	1.534252	1.534252	8.6203	1.4516	0.149712	0.293492	-5.2
LDHB	1.237997	1.237997	2.358708	2.358708	16.658	1.4508	0.149928	0.293492	-5.201
STK16	-0.16775	0.167747	1.123303	-1.1233	9.301	-1.447	0.150884	0.293704	-5.206
MAPKAPK	0.595872	0.595872	1.511386	1.511386	10.097	1.4438	0.15189	0.295154	-5.211
HGFAC	0.786895	0.786895	1.725357	1.725357	11.928	1.4392	0.153193	0.297172	-5.217
NID1	0.232363	0.232363	1.174757	1.174757	6.309	1.4379	0.153554	0.297364	-5.219
PAFAH1B	-0.57323	0.573226	1.487847	-1.48785	13.076	-1.434	0.154554	0.298786	-5.224
IL13RA1	-0.25236	0.252358	1.191153	-1.19115	8.9948	-1.433	0.15508	0.299291	-5.226
ALCAM	-0.35925	0.359254	1.282762	-1.28276	12.916	-1.43	0.155665	0.299908	-5.229
VEGFA	0.356889	0.356889	1.280662	1.280662	8.1601	1.4215	0.15825	0.30385	-5.241
C3_X6	1.013079	1.013079	2.018214	2.018214	8.8467	1.4218	0.158174	0.30385	-5.241

FLT3	-0.19587	0.195867	1.145412	-1.14541	9.0973	-1.419	0.15888	0.304542	-5.244
PGK1	-0.24495	0.24495	1.185052	-1.18505	11.48	-1.418	0.159241	0.304717	-5.246
CTF1	-0.22038	0.220384	1.165044	-1.16504	7.6903	-1.417	0.159647	0.304976	-5.248
LSAMP	-0.30377	0.303766	1.234362	-1.23436	7.4934	-1.406	0.162735	0.310352	-5.262
PRKAA1	0.11705	0.11705	1.084515	1.084515	6.4793	1.3952	0.166027	0.316096	-5.276
PRKCD	-0.13928	0.139278	1.101354	-1.10135	5.7239	-1.392	0.167036	0.317481	-5.281
FGA	0.416671	0.416671	1.334844	1.334844	16.19	1.3878	0.168262	0.318738	-5.286
MMP12	0.803453	0.803453	1.745274	1.745274	9.0604	1.3881	0.168149	0.318738	-5.286
PFDN5	-0.50752	0.507521	1.421605	-1.4216	11.106	-1.386	0.168805	0.319232	-5.289
IL1A	0.328218	0.328218	1.255462	1.255462	7.6031	1.3833	0.169617	0.320231	-5.292
ANGPTL3	0.099993	0.099993	1.071768	1.071768	6.9288	1.3822	0.169967	0.320356	-5.294
CHST2	0.158922	0.158922	1.116452	1.116452	6.2764	1.381	0.170318	0.320482	-5.295
A2M	0.704892	0.704892	1.630023	1.630023	11.631	1.3745	0.172336	0.32374	-5.304
LRRTM1	-0.17741	0.177408	1.13085	-1.13085	4.5504	-1.372	0.173035	0.324513	-5.307
SPINT2	-0.22832	0.228319	1.171469	-1.17147	5.8537	-1.37	0.173573	0.324981	-5.309
F9	0.699822	0.699822	1.624305	1.624305	7.4242	1.3691	0.174005	0.325252	-5.311
ARSB	0.367707	0.367707	1.2903	1.2903	8.7795	1.365	0.175293	0.326694	-5.316
EPB41	0.599275	0.599275	1.514955	1.514955	12.281	1.3648	0.175356	0.326694	-5.316
STC1	1.243302	1.243302	2.367398	2.367398	8.9121	1.3607	0.176634	0.328533	-5.322
IDE	-0.15682	0.156823	1.114829	-1.11483	9.1793	-1.359	0.177065	0.328794	-5.323
DLL4	0.119148	0.119148	1.086093	1.086093	6.6639	1.3545	0.178595	0.33109	-5.33
TNC	0.412839	0.412839	1.331303	1.331303	14.501	1.3497	0.180117	0.333364	-5.336
PRSS1	-0.66551	0.665511	1.58613	-1.58613	9.2404	-1.349	0.180432	0.333401	-5.337
CD226	0.120899	0.120899	1.087412	1.087412	7.4616	1.3463	0.181223	0.334314	-5.34
DCN	0.189924	0.189924	1.140704	1.140704	7.3156	1.3449	0.181657	0.33457	-5.342
PLA2G1B	0.265013	0.265013	1.201647	1.201647	7.8024	1.3438	0.182017	0.334686	-5.343
NR3C1	-0.13293	0.132931	1.096519	-1.09652	5.8435	-1.336	0.184673	0.337373	-5.354
APOD	0.122053	0.122053	1.088283	1.088283	10.889	1.3365	0.184377	0.337373	-5.353
LEPR	0.274559	0.274559	1.209625	1.209625	6.5791	1.3369	0.184265	0.337373	-5.352
RARRES2	0.938753	0.938753	1.916871	1.916871	10.679	1.3371	0.184184	0.337373	-5.352
LRRTM3	-0.17922	0.17922	1.132272	-1.13227	4.6735	-1.332	0.185947	0.339151	-5.359
CCL28	-0.78316	0.783157	1.720892	-1.72089	11.595	-1.329	0.186777	0.340115	-5.362
SPOCK1	0.306131	0.306131	1.236387	1.236387	12.955	1.3281	0.187149	0.340244	-5.363
PLA2G10	0.390234	0.390234	1.310606	1.310606	10.203	1.3174	0.190689	0.346122	-5.377
LRP8	0.110058	0.110058	1.079272	1.079272	7.1621	1.3061	0.194477	0.352431	-5.391
LCK	-0.10887	0.108865	1.07838	-1.07838	6.7367	-1.304	0.195155	0.353094	-5.393
RAN	-0.40771	0.407711	1.326579	-1.32658	12.357	-1.298	0.197317	0.353743	-5.401
IL1RL1	-0.24313	0.243128	1.183556	-1.18356	4.9299	-1.298	0.197084	0.353743	-5.4
CKAP2	-0.23253	0.232526	1.17489	-1.17489	14.169	-1.3	0.196554	0.353743	-5.398
ENG	-0.18929	0.189286	1.140199	-1.1402	4.7504	-1.302	0.196042	0.353743	-5.397
IL3RA	-0.1169	0.116896	1.084399	-1.0844	7.0571	-1.3	0.196438	0.353743	-5.398
TPI1	0.218954	0.218954	1.163889	1.163889	16.145	1.2976	0.197394	0.353743	-5.402
CD209	0.217804	0.217804	1.162962	1.162962	8.1278	1.2953	0.198154	0.354541	-5.404
CCNB1	0.173431	0.173431	1.127737	1.127737	6.1413	1.2926	0.199113	0.355597	-5.408
PTPN6	0.796653	0.796653	1.737067	1.737067	10.927	1.2918	0.199374	0.355597	-5.409
Protein E7	-0.16512	0.165117	1.121257	-1.12126	4.9559	-1.288	0.200767	0.356699	-5.414
IL7R	0.120061	0.120061	1.086781	1.086781	6.037	1.2879	0.200737	0.356699	-5.413
CDNF	0.324841	0.324841	1.252526	1.252526	7.0096	1.2873	0.200939	0.356699	-5.414
LAYN	-0.18624	0.186244	1.137797	-1.1378	8.2465	-1.284	0.201923	0.357883	-5.418
TIMP1	0.427488	0.427488	1.34489	1.34489	15.041	1.2792	0.203769	0.360589	-5.424
MST1R	-0.14701	0.14701	1.107272	-1.10727	7.3423	-1.275	0.205259	0.362656	-5.429
CCDC80	0.735796	0.735796	1.665316	1.665316	12.542	1.2725	0.206101	0.363575	-5.432
BCL2	-0.09691	0.096914	1.069483	-1.06948	8.1103	-1.269	0.207286	0.365095	-5.436
AIP	-0.50638	0.506379	1.420481	-1.42048	11.035	-1.267	0.208045	0.36586	-5.439
C2	-0.37361	0.373605	1.295586	-1.29559	12.318	-1.257	0.211526	0.370827	-5.451
MPO	0.282162	0.282162	1.216016	1.216016	17.194	1.2582	0.211223	0.370827	-5.45
Protein E7	-0.118	0.118	1.085229	-1.08523	8.5704	-1.253	0.213259	0.373286	-5.456
CKB_X2	-0.70735	0.707351	1.632803	-1.6328	13.315	-1.25	0.2141	0.374178	-5.459
MMP2	0.339669	0.339669	1.265466	1.265466	8.0215	1.2492	0.214491	0.374283	-5.46

CD4	-0.11094	0.110938	1.07993	-1.07993	6.4341	-1.244	0.216548	0.377288	-5.467
CCL20	0.182846	0.182846	1.135121	1.135121	5.4569	1.2403	0.217732	0.378766	-5.471
CADM3	0.086211	0.086211	1.061578	1.061578	6.9091	1.2343	0.219953	0.382041	-5.478
CHRD1	-0.12973	0.129731	1.094089	-1.09409	7.4288	-1.232	0.220661	0.382683	-5.48
CGA_X4	-0.12068	0.120683	1.08725	-1.08725	4.9354	-1.227	0.222734	0.385685	-5.487
CTSC	-0.17406	0.174056	1.128226	-1.12823	7.888	-1.225	0.223354	0.386166	-5.489
ADIPOQ	0.619941	0.619941	1.536812	1.536812	11.357	1.2238	0.223869	0.386466	-5.49
TSPB2	0.523186	0.523186	1.437125	1.437125	8.0876	1.2188	0.225752	0.389121	-5.496
IL15RA	0.123084	0.123084	1.089061	1.089061	7.6873	1.216	0.226802	0.389149	-5.499
PAK7	0.198479	0.198479	1.147488	1.147488	7.9489	1.2162	0.226734	0.389149	-5.499
CCL23	0.576153	0.576153	1.490868	1.490868	8.1369	1.2171	0.22642	0.389149	-5.498
PRSS22	-0.84779	0.847786	1.799737	-1.79974	8.6679	-1.214	0.227584	0.389446	-5.502
BRF1	-0.12546	0.125462	1.090857	-1.09086	8.3505	-1.214	0.227665	0.389446	-5.502
CYP3A4	-0.20933	0.209328	1.15615	-1.15615	12.779	-1.211	0.228841	0.390864	-5.506
PSMA6	-0.30409	0.304093	1.234642	-1.23464	7.2819	-1.208	0.229686	0.391716	-5.508
CCL16	0.460582	0.460582	1.376097	1.376097	5.9781	1.2067	0.230355	0.392263	-5.51
FLT3LG	0.157545	0.157545	1.115388	1.115388	7.4903	1.2054	0.230853	0.392519	-5.512
CDH2	-0.16359	0.163595	1.120075	-1.12007	7.7996	-1.202	0.23223	0.394262	-5.516
KPNB1	0.430883	0.430883	1.348058	1.348058	12.81	1.201	0.232576	0.394262	-5.517
PYY	0.181128	0.181128	1.13377	1.13377	4.7671	1.1921	0.236016	0.399494	-5.527
TNFRSF4	0.090217	0.090217	1.064531	1.064531	6.3789	1.1885	0.237433	0.401291	-5.531
RELT	0.123185	0.123185	1.089137	1.089137	5.1038	1.1862	0.23832	0.402188	-5.534
C5_X3	-0.17128	0.171282	1.126059	-1.12606	6.5805	-1.183	0.239601	0.402647	-5.537
FGFR4	0.114316	0.114316	1.082462	1.082462	7.8801	1.1826	0.239751	0.402647	-5.538
PROK1	0.135314	0.135314	1.098332	1.098332	6.1493	1.1823	0.239868	0.402647	-5.538
S100A9	0.376165	0.376165	1.297888	1.297888	12.639	1.1819	0.240019	0.402647	-5.538
TGFB1	-0.11876	0.118758	1.0858	-1.0858	8.8592	-1.181	0.240472	0.402809	-5.54
IGF1	0.339774	0.339774	1.265558	1.265558	9.8141	1.1752	0.242691	0.405924	-5.546
NCR2	-0.13021	0.130212	1.094455	-1.09445	4.9377	-1.171	0.244476	0.406768	-5.551
TBK1	-0.07612	0.076116	1.054176	-1.05418	6.6604	-1.17	0.244621	0.406768	-5.551
PDE3A	0.118264	0.118264	1.085428	1.085428	8.3136	1.1702	0.244686	0.406768	-5.552
AGR2	0.23873	0.23873	1.179953	1.179953	8.3308	1.1699	0.244789	0.406768	-5.552
FCGR1A	0.460294	0.460294	1.375822	1.375822	9.6604	1.1694	0.244998	0.406768	-5.553
IL2RG	-0.22151	0.221514	1.165956	-1.16596	9.1223	-1.165	0.246648	0.408908	-5.557
DNAJB1	-0.36893	0.368928	1.291393	-1.29139	8.3152	-1.157	0.250127	0.413433	-5.567
TGFB2	-0.36451	0.364511	1.287445	-1.28744	7.371	-1.153	0.251575	0.413433	-5.571
SEMA3A	-0.13899	0.138993	1.101136	-1.10114	6.6059	-1.155	0.250721	0.413433	-5.568
SCARB2	0.227165	0.227165	1.170533	1.170533	6.6281	1.1567	0.250136	0.413433	-5.567
SERPIND1	0.651385	0.651385	1.570675	1.570675	9.9388	1.1541	0.251163	0.413433	-5.569
LBP	0.794433	0.794433	1.734396	1.734396	12.459	1.1532	0.25155	0.413433	-5.571
IL23R	-0.17947	0.179471	1.132469	-1.13247	7.6009	-1.145	0.255081	0.417978	-5.58
F11	0.202948	0.202948	1.151048	1.151048	7.0264	1.1448	0.255014	0.417978	-5.58
F10	0.487507	0.487507	1.40202	1.40202	8.7228	1.135	0.259072	0.423902	-5.59
HPGD	-0.43811	0.438107	1.354825	-1.35483	11.893	-1.131	0.260838	0.426173	-5.595
SPOCK2	-0.41183	0.411827	1.33037	-1.33037	6.0966	-1.126	0.262662	0.428395	-5.6
PRKCI	0.705901	0.705901	1.631163	1.631163	9.8636	1.1257	0.262957	0.428395	-5.6
PLG_X1	-0.10631	0.106307	1.076469	-1.07647	6.9608	-1.125	0.263453	0.428586	-5.602
SELE	0.270163	0.270163	1.205944	1.205944	8.4821	1.1228	0.264187	0.429161	-5.604
INS	-0.1427	0.142695	1.103966	-1.10397	4.519	-1.113	0.268336	0.435275	-5.614
UNC5D	-0.13539	0.135386	1.098386	-1.09839	5.2514	-1.109	0.270021	0.437339	-5.618
TGFBR2	0.145277	0.145277	1.105943	1.105943	7.6748	1.1083	0.270383	0.437339	-5.619
CTSZ	-0.81399	0.81399	1.758067	-1.75807	8.6919	-1.104	0.272381	0.439941	-5.624
SOD1	0.295441	0.295441	1.22726	1.22726	8.2564	1.1006	0.273705	0.441447	-5.627
FAM107A	-0.22109	0.221086	1.165611	-1.16561	6.9374	-1.094	0.276585	0.4441	-5.634
ANXA2	-0.20594	0.205943	1.15344	-1.15344	15.884	-1.095	0.276135	0.4441	-5.633
PLA2G2E	-0.1247	0.124699	1.09028	-1.09028	5.8791	-1.093	0.276923	0.4441	-5.635
AURKB	-0.09929	0.09929	1.071246	-1.07125	7.6013	-1.094	0.276691	0.4441	-5.635
F5	-0.51269	0.51269	1.426708	-1.42671	14.32	-1.091	0.277859	0.444969	-5.637
NGF	-0.10497	0.10497	1.075472	-1.07547	5.6566	-1.087	0.279602	0.445862	-5.641

IL27	-0.06822	0.068222	1.048423	-1.04842	7.8075	-1.087	0.27954	0.445862	-5.641
LGALS4	-0.06233	0.06233	1.04415	-1.04415	7.7864	-1.088	0.279323	0.445862	-5.641
TNFRSF1E	0.380617	0.380617	1.301899	1.301899	10.639	1.0826	0.281556	0.448345	-5.646
CCL7	-0.16286	0.162857	1.119502	-1.1195	5.7155	-1.065	0.289354	0.458177	-5.664
ACVR1B	0.200821	0.200821	1.149352	1.149352	6.6751	1.0677	0.288181	0.458177	-5.661
CSF1	0.259441	0.259441	1.197015	1.197015	9.2342	1.0656	0.289167	0.458177	-5.664
RPS6KA3	0.537629	0.537629	1.451585	1.451585	8.9254	1.0655	0.289174	0.458177	-5.664
LILRB1	0.442179	0.442179	1.358654	1.358654	9.6251	1.0608	0.291331	0.460043	-5.669
SIGLEC14	0.447132	0.447132	1.363327	1.363327	10.423	1.0607	0.291347	0.460043	-5.669
HSP90AA1	-0.30095	0.300952	1.231957	-1.23196	17.169	-1.057	0.292929	0.460609	-5.672
GPC5	0.132613	0.132613	1.096277	1.096277	5.616	1.0576	0.292764	0.460609	-5.672
IGHE	0.417241	0.417241	1.335372	1.335372	6.8808	1.058	0.292597	0.460609	-5.671
PCSK9	-0.54375	0.543752	1.457758	-1.45776	8.6235	-1.052	0.295185	0.463511	-5.677
CXCL1	0.736071	0.736071	1.665634	1.665634	14.068	1.0509	0.29583	0.463878	-5.679
CDC2	0.080144	0.080144	1.057124	1.057124	6.567	1.0444	0.298783	0.467858	-5.685
PCNA	-0.1284	0.1284	1.093081	-1.09308	5.1608	-1.043	0.299564	0.468432	-5.687
PTH	0.097932	0.097932	1.070238	1.070238	5.7577	1.0384	0.301552	0.470888	-5.691
PGF	0.13647	0.13647	1.099212	1.099212	6.3995	1.037	0.302226	0.47129	-5.692
VIP	-0.10001	0.100006	1.071778	-1.07178	5.7305	-1.034	0.303794	0.473081	-5.696
MAPK11	-0.09385	0.09385	1.067214	-1.06721	6.2133	-1.027	0.30702	0.477446	-5.703
CFB	0.589446	0.589446	1.504669	1.504669	13.144	1.0204	0.309971	0.481372	-5.709
FLT4	0.229959	0.229959	1.172801	1.172801	5.8057	1.0108	0.314536	0.48779	-5.718
ANGPT1	0.17509	0.17509	1.129035	1.129035	6.5629	1.0068	0.316425	0.490046	-5.722
CD70	0.08339	0.08339	1.059504	1.059504	9.0056	1.0024	0.318533	0.492635	-5.726
PPP3R1	0.133505	0.133505	1.096955	1.096955	10.81	1.0006	0.319402	0.493303	-5.728
CD36	0.323564	0.323564	1.251418	1.251418	7.9599	0.9969	0.321219	0.495432	-5.732
ADAMTS4	-0.08903	0.08903	1.063655	-1.06366	6.4041	-0.995	0.322176	0.496231	-5.734
IL13	-0.09899	0.098986	1.071021	-1.07102	7.5562	-0.989	0.324923	0.49978	-5.739
CA13	0.334476	0.334476	1.260919	1.260919	10.409	0.9843	0.327302	0.502754	-5.744
FGFR1	-0.17166	0.171665	1.126358	-1.12636	8.2511	-0.978	0.330393	0.506813	-5.749
PIK3CA	0.254726	0.254726	1.193109	1.193109	8.0781	0.9667	0.336008	0.514726	-5.76
FAP	-0.18542	0.185424	1.137151	-1.13715	7.3068	-0.961	0.338745	0.517853	-5.765
CXCL5	0.069727	0.069727	1.049518	1.049518	7.3666	0.9608	0.338967	0.517853	-5.766
CNDP1	0.174371	0.174371	1.128473	1.128473	10.169	0.9595	0.339621	0.518151	-5.767
KIR2DL4	0.284703	0.284703	1.218159	1.218159	7.3229	0.9569	0.340924	0.519438	-5.769
EMR2	-0.12107	0.121073	1.087543	-1.08754	5.3921	-0.955	0.341675	0.51988	-5.771
F2	0.263506	0.263506	1.200392	1.200392	7.9431	0.9502	0.344288	0.523151	-5.775
SNX4	-0.38382	0.383821	1.304793	-1.30479	9.6665	-0.947	0.345648	0.524039	-5.778
CD55	-0.17611	0.176114	1.129837	-1.12984	14.739	-0.947	0.345801	0.524039	-5.778
CGA_X2	-0.12384	0.123836	1.089628	-1.08963	8.1186	-0.945	0.34678	0.524819	-5.78
GSN	-0.36384	0.363836	1.286843	-1.28684	15.821	-0.942	0.348556	0.525394	-5.783
IL1RL2	-0.10591	0.105907	1.076171	-1.07617	7.1741	-0.943	0.348155	0.525394	-5.782
PTK6	0.142977	0.142977	1.104181	1.104181	5.9965	0.9418	0.34853	0.525394	-5.783
TNFRSF8	0.109447	0.109447	1.078815	1.078815	8.9566	0.9381	0.350444	0.527535	-5.786
ASGR1	-0.09808	0.09808	1.070348	-1.07035	5.544	-0.937	0.351044	0.527735	-5.787
KIR3DL2	0.095877	0.095877	1.068715	1.068715	5.7699	0.9259	0.356681	0.534138	-5.797
PDGFB	0.108606	0.108606	1.078186	1.078186	5.9409	0.9259	0.356723	0.534138	-5.797
DKK4	0.33091	0.33091	1.257807	1.257807	9.4301	0.9275	0.355871	0.534138	-5.796
JAM2	-0.0878	0.087802	1.06275	-1.06275	8.7589	-0.924	0.357616	0.534766	-5.799
CNTFR	-0.10126	0.101263	1.072712	-1.07271	5.9887	-0.918	0.360817	0.538839	-5.804
IGHD	0.554679	0.554679	1.468842	1.468842	9.0819	0.9067	0.366716	0.546926	-5.814
CD33	-0.18867	0.188667	1.139711	-1.13971	5.4823	-0.904	0.368279	0.547776	-5.817
ADAMTS5	-0.122	0.122004	1.088245	-1.08825	5.7793	-0.903	0.368742	0.547776	-5.817
ZAP70	-0.10735	0.10735	1.077248	-1.07725	10.433	-0.904	0.368104	0.547776	-5.816
IDS	0.394108	0.394108	1.31413	1.31413	11.236	0.9008	0.369841	0.548686	-5.819
BMP7	-0.14919	0.149193	1.108949	-1.10895	6.2477	-0.899	0.370842	0.54945	-5.821
FGF8_X2	-0.08908	0.08908	1.063691	-1.06369	5.8017	-0.898	0.371437	0.549611	-5.822
HSD17B1C	0.447244	0.447244	1.363433	1.363433	9.4228	0.8949	0.372959	0.551139	-5.824
PRLR	-0.09372	0.093723	1.06712	-1.06712	8.775	-0.892	0.374666	0.551747	-5.827

CLEC11A	-0.09011	0.09011	1.064451	-1.06445	7.0571	-0.891	0.375292	0.551747	-5.828
STAB2	-0.06885	0.068854	1.048883	-1.04888	8.1552	-0.891	0.374806	0.551747	-5.827
F10_X2	0.376615	0.376615	1.298292	1.298292	9.2102	0.8905	0.375324	0.551747	-5.828
MRC1	0.346561	0.346561	1.271526	1.271526	12.095	0.8892	0.376	0.552021	-5.829
GFRA1	-0.10456	0.104555	1.075163	-1.07516	6.2363	-0.887	0.377246	0.553131	-5.831
TNFSF13E	-0.11583	0.115835	1.083602	-1.0836	7.1212	-0.884	0.378627	0.553718	-5.833
CCL15	0.540357	0.540357	1.454332	1.454332	11.242	0.8848	0.378386	0.553718	-5.833
BTK	-0.51081	0.510805	1.424845	-1.42485	10.423	-0.882	0.379749	0.55464	-5.835
IL17B	-0.07949	0.079487	1.056642	-1.05664	6.0739	-0.881	0.380429	0.554648	-5.836
CA3	0.243136	0.243136	1.183563	1.183563	6.9705	0.8804	0.380737	0.554648	-5.837
PON1	-0.11189	0.111891	1.080644	-1.08064	5.4158	-0.878	0.382202	0.555749	-5.839
GPR114	-0.06122	0.061222	1.043349	-1.04335	7.7171	-0.877	0.382478	0.555749	-5.839
OLFM4	-0.22562	0.225622	1.169281	-1.16928	5.2171	-0.876	0.383225	0.55612	-5.841
FGF9	-0.08851	0.088509	1.063271	-1.06327	5.9962	-0.869	0.386991	0.560863	-5.846
EPHA2	-0.24396	0.24396	1.184239	-1.18424	9.4396	-0.866	0.388684	0.561678	-5.849
HMGCR	-0.08574	0.085736	1.061229	-1.06123	5.8214	-0.865	0.389045	0.561678	-5.85
SAA1	0.319447	0.319447	1.247852	1.247852	7.9538	0.8654	0.388896	0.561678	-5.849
FTH1	0.457048	0.457048	1.372731	1.372731	10.522	0.861	0.391288	0.564194	-5.853
SERPINA7	0.413057	0.413057	1.331504	1.331504	14.416	0.8524	0.396014	0.57028	-5.86
IL6R	-0.27248	0.272482	1.207884	-1.20788	9.1196	-0.85	0.397309	0.571416	-5.862
NOTCH2	-0.08638	0.086381	1.061703	-1.0617	5.8903	-0.844	0.400775	0.575668	-5.867
SNRPF	-0.21455	0.214548	1.16034	-1.16034	10.178	-0.837	0.404787	0.580692	-5.873
ENTPD5	-0.1698	0.169797	1.1249	-1.1249	8.643	-0.833	0.406811	0.582855	-5.876
AGT	0.414001	0.414001	1.332376	1.332376	8.6544	0.831	0.407922	0.583706	-5.877
CKM	-0.40176	0.401762	1.321121	-1.32112	10.873	-0.823	0.412561	0.588852	-5.884
GFRA3	0.058456	0.058456	1.041351	1.041351	8.073	0.8232	0.412327	0.588852	-5.884
CTSS	-0.19371	0.193707	1.143699	-1.1437	16.057	-0.82	0.413992	0.589657	-5.886
PDCD1LG	-0.17351	0.17351	1.127799	-1.1278	7.5317	-0.82	0.41417	0.589657	-5.886
PTN	-0.62052	0.620524	1.537433	-1.53743	9.6502	-0.818	0.415453	0.590433	-5.888
EPHA3	-0.11854	0.118543	1.085638	-1.08564	5.0402	-0.817	0.415761	0.590433	-5.888
PLG_X2	0.56598	0.56598	1.480393	1.480393	6.1656	0.8162	0.416284	0.590433	-5.889
DYNLRB1	0.312516	0.312516	1.241871	1.241871	11.338	0.8133	0.417949	0.592051	-5.891
LY9	-0.15891	0.158913	1.116445	-1.11645	6.5678	-0.8	0.425416	0.598691	-5.902
NANOG	-0.09421	0.094208	1.067479	-1.06748	5.6659	-0.8	0.425818	0.598691	-5.902
PLAT	0.086206	0.086206	1.061574	1.061574	6.7733	0.8031	0.423801	0.598691	-5.899
VTA1	0.257361	0.257361	1.19529	1.19529	13.132	0.8034	0.423656	0.598691	-5.899
CHIT1	0.525157	0.525157	1.43909	1.43909	12.231	0.8022	0.4243	0.598691	-5.9
MIA	0.6967	0.6967	1.620793	1.620793	12.66	0.8011	0.424958	0.598691	-5.901
IFNL1	-0.09236	0.09236	1.066113	-1.06611	5.5196	-0.797	0.427585	0.600427	-5.904
HGF	0.114618	0.114618	1.082688	1.082688	7.153	0.7945	0.42878	0.601358	-5.906
LCN2	-0.28515	0.285146	1.218534	-1.21853	17.647	-0.792	0.430003	0.602324	-5.908
KLK6	0.120511	0.120511	1.08712	1.08712	10.234	0.7911	0.430753	0.602627	-5.909
IL22RA2	0.110376	0.110376	1.079509	1.079509	5.6038	0.7887	0.432113	0.60339	-5.91
COL18A1	0.170265	0.170265	1.125265	1.125265	8.9804	0.7883	0.432367	0.60339	-5.911
C4A	0.391306	0.391306	1.31158	1.31158	15.37	0.7865	0.433418	0.60411	-5.912
DKK1	0.252782	0.252782	1.191503	1.191503	9.3691	0.7855	0.433992	0.604163	-5.913
WFIKKN2	-0.06054	0.060539	1.042855	-1.04286	6.2439	-0.784	0.434887	0.604664	-5.914
IL12RB1	-0.07796	0.077963	1.055527	-1.05553	6.356	-0.778	0.438518	0.608963	-5.919
CSF3	-0.3732	0.373199	1.295222	-1.29522	9.6729	-0.776	0.439537	0.609343	-5.92
KREMEN2	0.086139	0.086139	1.061526	1.061526	9.193	0.7755	0.439871	0.609343	-5.92
IL20	-0.07339	0.073392	1.052187	-1.05219	6.9523	-0.773	0.441324	0.610607	-5.922
PCSK7	-0.08665	0.08665	1.061901	-1.0619	7.5431	-0.771	0.442433	0.611391	-5.924
NRP1	-0.25554	0.255539	1.193782	-1.19378	9.3815	-0.767	0.444773	0.613114	-5.927
TPM1	-0.14971	0.149713	1.109349	-1.10935	7.2771	-0.766	0.44569	0.613114	-5.928
ECE1	0.066424	0.066424	1.047118	1.047118	9.2676	0.767	0.444878	0.613114	-5.927
INHBA	0.277101	0.277101	1.211757	1.211757	10.648	0.7653	0.445852	0.613114	-5.928
RB1	-0.08308	0.083078	1.059276	-1.05928	8.4457	-0.761	0.448366	0.615821	-5.931
H2AFZ	-0.44037	0.44037	1.356952	-1.35695	10.455	-0.756	0.451164	0.615918	-5.934
C6	-0.3187	0.318697	1.247204	-1.2472	15.27	-0.757	0.451	0.615918	-5.934

AHSG	-0.18918	0.189175	1.140112	-1.14011	13.97	-0.757	0.450911	0.615918	-5.934
FGF18	-0.11873	0.11873	1.085778	-1.08578	6.1734	-0.757	0.450993	0.615918	-5.934
TNNI2	0.268863	0.268863	1.204858	1.204858	10.88	0.7597	0.44919	0.615918	-5.932
CYCS	-0.37532	0.375317	1.297124	-1.29712	9.6455	-0.755	0.451744	0.615964	-5.935
SKP1	-0.08916	0.089156	1.063748	-1.06375	9.1901	-0.753	0.453476	0.61758	-5.937
IFNG	-0.13096	0.130956	1.095019	-1.09502	7.3647	-0.746	0.457396	0.622168	-5.942
GP6	0.087483	0.087483	1.062515	1.062515	6.8454	0.7444	0.458371	0.622744	-5.943
TNNI3	0.065973	0.065973	1.046791	1.046791	6.3196	0.7432	0.459077	0.622955	-5.944
CTLA4	-0.1553	0.155305	1.113657	-1.11366	4.9327	-0.738	0.462154	0.626377	-5.948
CCL11	-0.11196	0.111962	1.080697	-1.0807	6.1807	-0.733	0.465029	0.62879	-5.951
MDM2	0.072745	0.072745	1.051716	1.051716	6.202	0.7333	0.465049	0.62879	-5.951
FST	-0.04964	0.049642	1.035008	-1.03501	6.5324	-0.731	0.466474	0.629963	-5.953
CA1	0.339277	0.339277	1.265122	1.265122	9.3206	0.7288	0.467812	0.631015	-5.954
TGFBI	0.25299	0.25299	1.191674	1.191674	13.51	0.7232	0.471255	0.634901	-5.958
RAC1	-0.12769	0.127692	1.092544	-1.09254	15.608	-0.719	0.473914	0.637722	-5.961
PTPN1	0.224034	0.224034	1.167995	1.167995	12.161	0.7166	0.475248	0.638756	-5.963
COTL1	-0.12367	0.123666	1.0895	-1.0895	11.058	-0.713	0.477287	0.640734	-5.965
PRSS3	-0.06848	0.068481	1.048612	-1.04861	6.4122	-0.707	0.481071	0.645047	-5.969
MBL2	0.074163	0.074163	1.05275	1.05275	8.4467	0.7039	0.483111	0.646677	-5.971
EEF1B2	0.146521	0.146521	1.106897	1.106897	9.1432	0.7034	0.483433	0.646677	-5.972
IGFBP6	-0.28532	0.285316	1.218677	-1.21868	7.4002	-0.698	0.486531	0.649217	-5.975
CCL8	-0.09383	0.093833	1.067202	-1.0672	5.4235	-0.698	0.487056	0.649217	-5.976
CHST6	0.083511	0.083511	1.059593	1.059593	6.0936	0.6981	0.486727	0.649217	-5.975
LTA4H	-0.21376	0.213763	1.159709	-1.15971	8.0387	-0.693	0.490068	0.651588	-5.979
DPP7	-0.12292	0.12292	1.088937	-1.08894	11.399	-0.692	0.490567	0.651588	-5.979
SLAMF6	0.068735	0.068735	1.048796	1.048796	6.0246	0.6932	0.489773	0.651588	-5.979
IL20RA	-0.1437	0.143701	1.104735	-1.10474	5.2537	-0.689	0.492653	0.652058	-5.982
IL2RA	0.112028	0.112028	1.080747	1.080747	8.0383	0.6893	0.492208	0.652058	-5.981
KLK7	0.33904	0.33904	1.264915	1.264915	10.825	0.6903	0.491602	0.652058	-5.981
DHH	-0.09306	0.093059	1.06663	-1.06663	7.4195	-0.684	0.495269	0.654753	-5.984
CCL22	-0.17923	0.179233	1.132282	-1.13228	6.0766	-0.676	0.500777	0.6606	-5.99
SIGLEC6	-0.0841	0.084103	1.060029	-1.06003	4.7108	-0.674	0.502057	0.6606	-5.992
KIRREL3	-0.07119	0.071195	1.050586	-1.05059	5.3939	-0.673	0.502436	0.6606	-5.992
IGFBP3	0.140848	0.140848	1.102553	1.102553	8.0518	0.6746	0.50146	0.6606	-5.991
FYN	0.147114	0.147114	1.107352	1.107352	8.0037	0.6728	0.502617	0.6606	-5.992
HFE2	-0.2103	0.210301	1.15693	-1.15693	6.9766	-0.666	0.506641	0.665113	-5.996
CX3CL1	-0.16675	0.166754	1.12253	-1.12253	8.5094	-0.663	0.508714	0.666559	-5.998
SPON1	0.124997	0.124997	1.090505	1.090505	5.9053	0.6629	0.508923	0.666559	-5.999
AREG	-0.16283	0.162833	1.119483	-1.11948	8.6907	-0.66	0.510931	0.668413	-6.001
AIF1	-0.24642	0.246421	1.186261	-1.18626	14.715	-0.658	0.511805	0.668425	-6.001
ANXA1	-0.11799	0.117989	1.085221	-1.08522	17.489	-0.657	0.512716	0.668425	-6.002
SERPINA6	-0.07143	0.07143	1.050757	-1.05076	7.1999	-0.657	0.512489	0.668425	-6.002
MMP13	0.216634	0.216634	1.162019	1.162019	8.6397	0.655	0.513982	0.669303	-6.004
BCAR3	0.076549	0.076549	1.054492	1.054492	8.9759	0.6508	0.516675	0.672034	-6.006
PPIF	0.161957	0.161957	1.118803	1.118803	10.181	0.6466	0.519387	0.674785	-6.009
MATN2	-0.22642	0.226418	1.169926	-1.16993	11.935	-0.643	0.521571	0.676843	-6.011
C3_X2	0.299677	0.299677	1.230869	1.230869	15.432	0.6325	0.528475	0.685016	-6.017
C4B	0.238787	0.238787	1.18	1.18	12.42	0.6258	0.532852	0.689897	-6.022
CAMK1D	-0.09639	0.096387	1.069093	-1.06909	8.8525	-0.622	0.535176	0.692112	-6.024
BIRC3	-0.07569	0.075686	1.053862	-1.05386	5.579	-0.618	0.537688	0.694565	-6.026
CTSV	-0.22507	0.225066	1.168831	-1.16883	10.092	-0.616	0.539508	0.69612	-6.028
CDKN1B	0.144076	0.144076	1.105023	1.105023	8.232	0.6128	0.541397	0.697759	-6.029
LCMT1	-0.08149	0.081493	1.058112	-1.05811	9.8897	-0.611	0.542426	0.698289	-6.03
LY86	-0.14911	0.149114	1.108889	-1.10889	15.368	-0.606	0.545909	0.701506	-6.033
NTRK2	0.106281	0.106281	1.07645	1.07645	5.4195	0.6056	0.546168	0.701506	-6.034
NLGN4X	0.052037	0.052037	1.036728	1.036728	5.7092	0.592	0.555155	0.712239	-6.041
SEMA3E	-0.23725	0.237251	1.178745	-1.17874	10.18	-0.589	0.556895	0.713441	-6.043
SBDS	-0.14394	0.143937	1.104916	-1.10492	9.4939	-0.588	0.557966	0.713441	-6.044
PROC	-0.08557	0.085568	1.061106	-1.06111	8.3094	-0.588	0.557988	0.713441	-6.044

APOE	-0.23929	0.239293	1.180414	-1.18041	9.9973	-0.573	0.567916	0.7246	-6.052
ING1	0.160732	0.160732	1.117854	1.117854	9.3213	0.5729	0.567999	0.7246	-6.052
SPHK1	0.135676	0.135676	1.098608	1.098608	6.9595	0.5694	0.570348	0.726775	-6.054
LGALS8	0.150215	0.150215	1.109735	1.109735	7.8534	0.5635	0.574325	0.731018	-6.057
C3	-0.14173	0.141735	1.103231	-1.10323	14.761	-0.559	0.577641	0.733329	-6.06
FGFR2	-0.04937	0.049371	1.034813	-1.03481	5.8178	-0.559	0.577527	0.733329	-6.06
ACP1	0.204157	0.204157	1.152013	1.152013	9.3633	0.558	0.578089	0.733329	-6.06
FGF23	-0.049	0.049004	1.034551	-1.03455	6.2322	-0.555	0.580057	0.733353	-6.062
PTK2	0.087384	0.087384	1.062442	1.062442	5.3662	0.5552	0.580011	0.733353	-6.062
ITIH4	0.33533	0.33533	1.261666	1.261666	10.876	0.5554	0.579857	0.733353	-6.062
IGFBP7	-0.19223	0.192226	1.142525	-1.14253	7.5292	-0.553	0.581826	0.734767	-6.063
CASP10	-0.15458	0.154584	1.113101	-1.1131	13.395	-0.549	0.584356	0.736911	-6.065
SERPINA4	0.150375	0.150375	1.109858	1.109858	16.213	0.5481	0.584829	0.736911	-6.066
TNFRSF6E	0.058439	0.058439	1.041338	1.041338	6.1524	0.5457	0.586509	0.738204	-6.067
EFNB3	0.07498	0.07498	1.053346	1.053346	8.0176	0.5418	0.589175	0.74017	-6.069
IGFBP2	0.330192	0.330192	1.257181	1.257181	8.551	0.5415	0.589382	0.74017	-6.069
PPA1	0.166504	0.166504	1.122336	1.122336	11.943	0.5386	0.591357	0.741001	-6.071
HRG	0.173535	0.173535	1.127818	1.127818	11.604	0.5393	0.590839	0.741001	-6.07
IL18R1	-0.14592	0.145917	1.106434	-1.10643	8.1889	-0.535	0.593788	0.74137	-6.072
CGA	-0.05021	0.050214	1.035418	-1.03542	6.1125	-0.531	0.596248	0.74137	-6.074
FGF6	-0.04919	0.049189	1.034683	-1.03468	6.3671	-0.533	0.595267	0.74137	-6.074
MED1	0.038346	0.038346	1.026936	1.026936	6.6464	0.5319	0.595983	0.74137	-6.074
AIMP1	0.132454	0.132454	1.096157	1.096157	9.8548	0.5334	0.594922	0.74137	-6.073
AKR7A2	0.214047	0.214047	1.159937	1.159937	11.173	0.5361	0.593075	0.74137	-6.072
RPS7	0.273078	0.273078	1.208383	1.208383	10.111	0.5364	0.592891	0.74137	-6.072
PRKCA	0.083965	0.083965	1.059927	1.059927	9.0506	0.5292	0.597801	0.742484	-6.075
GPC2	-0.05805	0.058051	1.041058	-1.04106	5.9563	-0.528	0.59879	0.742895	-6.076
CCL19	-0.0741	0.074101	1.052705	-1.0527	5.5119	-0.525	0.60056	0.744273	-6.078
RSPO2	0.05878	0.05878	1.041585	1.041585	6.3245	0.5222	0.602649	0.746042	-6.079
PAK6	0.121495	0.121495	1.087862	1.087862	6.1477	0.5163	0.606782	0.750336	-6.082
RPS3	-0.14492	0.144918	1.105668	-1.10567	7.1715	-0.514	0.608474	0.751605	-6.083
CRK	-0.13184	0.131844	1.095693	-1.09569	12.14	-0.512	0.60981	0.751611	-6.084
FGF4	-0.0498	0.049803	1.035124	-1.03512	5.6869	-0.512	0.609704	0.751611	-6.084
PLA2G7	-0.16308	0.163082	1.119677	-1.11968	10.129	-0.51	0.61097	0.752219	-6.085
LYVE1	0.179922	0.179922	1.132823	1.132823	7.8774	0.5021	0.616718	0.758469	-6.089
TNFRSF21	0.253021	0.253021	1.1917	1.1917	10.775	0.4968	0.620403	0.762171	-6.092
CXCL10	0.248156	0.248156	1.187688	1.187688	7.3862	0.4958	0.621089	0.762185	-6.092
MMP3	-0.1092	0.109198	1.078628	-1.07863	6.4075	-0.493	0.623316	0.763514	-6.094
C7	-0.08444	0.084443	1.060278	-1.06028	7.0917	-0.49	0.625149	0.763514	-6.095
KDR	0.074472	0.074472	1.052975	1.052975	10.099	0.4895	0.625554	0.763514	-6.095
NAPA	0.151744	0.151744	1.110912	1.110912	14.488	0.4914	0.62424	0.763514	-6.094
CTSG	0.24293	0.24293	1.183394	1.183394	12.193	0.4911	0.624435	0.763514	-6.094
CCL2	-0.06963	0.069628	1.049446	-1.04945	5.8084	-0.488	0.626426	0.763753	-6.096
CLEC1B	0.064849	0.064849	1.045976	1.045976	5.6505	0.486	0.628009	0.764857	-6.097
NTF4	-0.05642	0.056422	1.039884	-1.03988	5.6557	-0.481	0.631438	0.768204	-6.099
NOTCH3	-0.13433	0.134326	1.09758	-1.09758	6.9663	-0.475	0.636072	0.773008	-6.102
TNFRSF13	0.043245	0.043245	1.030429	1.030429	6.6504	0.4736	0.636794	0.773054	-6.102
C1R	-0.19482	0.194816	1.144578	-1.14458	7.1878	-0.469	0.640283	0.774047	-6.105
AMICA1	0.028813	0.028813	1.020172	1.020172	6.9387	0.4688	0.640202	0.774047	-6.105
UFC1	0.113633	0.113633	1.081949	1.081949	12.504	0.4708	0.638799	0.774047	-6.104
C1QA	0.285235	0.285235	1.218609	1.218609	12.739	0.4686	0.640354	0.774047	-6.105
SERPINF2	0.260298	0.260298	1.197726	1.197726	7.5426	0.4658	0.64239	0.775677	-6.106
ICAM5	-0.25445	0.25445	1.192881	-1.19288	7.6843	-0.464	0.6437	0.775716	-6.107
CBX5	-0.04411	0.044113	1.031049	-1.03105	6.7148	-0.464	0.643796	0.775716	-6.107
EDAR	0.044938	0.044938	1.031639	1.031639	6.6576	0.4623	0.644857	0.776166	-6.108
APP	-0.37155	0.371548	1.29374	-1.29374	8.4268	-0.451	0.653014	0.779387	-6.113
ATP5B	-0.06556	0.065561	1.046492	-1.04649	9.2148	-0.453	0.651207	0.779387	-6.112
IL17A	-0.05129	0.05129	1.036191	-1.03619	5.6867	-0.453	0.651551	0.779387	-6.112
P4HB	-0.04997	0.049969	1.035242	-1.03524	4.8375	-0.451	0.65262	0.779387	-6.112

EPOR	0.044255	0.044255	1.031151	1.031151	5.6552	0.4504	0.653402	0.779387	-6.113
VEGFC	0.051561	0.051561	1.036386	1.036386	7.7752	0.4499	0.653746	0.779387	-6.113
CD40LG	0.060229	0.060229	1.042631	1.042631	5.2697	0.457	0.648656	0.779387	-6.11
RPS6KA5	0.087141	0.087141	1.062263	1.062263	6.0117	0.4505	0.653304	0.779387	-6.113
LGALS3BP1	0.118646	0.118646	1.085715	1.085715	9.5011	0.4515	0.652563	0.779387	-6.112
XPNPEP1	0.127281	0.127281	1.092234	1.092234	7.2163	0.4471	0.655769	0.780974	-6.114
CFL1	-0.15059	0.150586	1.11002	-1.11002	14.695	-0.445	0.657142	0.781784	-6.115
CDH15	0.046903	0.046903	1.033045	1.033045	9.5737	0.4398	0.661024	0.784749	-6.117
FER	0.146303	0.146303	1.10673	1.10673	5.8983	0.4405	0.66051	0.784749	-6.117
PDGFC	0.051187	0.051187	1.036117	1.036117	6.3309	0.4371	0.663	0.785024	-6.119
NAAA	0.178294	0.178294	1.131545	1.131545	12.078	0.4366	0.663342	0.785024	-6.119
KYNU	0.240467	0.240467	1.181375	1.181375	8.9191	0.4369	0.663127	0.785024	-6.119
COLEC11	0.063301	0.063301	1.044854	1.044854	6.5861	0.4345	0.664874	0.786013	-6.12
EPHA5	-0.03257	0.03257	1.022832	-1.02283	6.4404	-0.431	0.667061	0.787773	-6.121
NRCAM	-0.03527	0.035273	1.024751	-1.02475	7.5715	-0.43	0.668061	0.788131	-6.122
TNFRSF12	-0.08892	0.088919	1.063573	-1.06357	7.5521	-0.427	0.670459	0.790134	-6.123
ACE2	0.044197	0.044197	1.031109	1.031109	5.9872	0.4158	0.678465	0.798735	-6.127
CCL18	-0.26852	0.268517	1.204569	-1.20457	9.9198	-0.414	0.679927	0.798897	-6.128
C1S	-0.0799	0.079903	1.056947	-1.05695	13.885	-0.413	0.680726	0.798897	-6.129
CA7	0.063389	0.063389	1.044917	1.044917	5.4238	0.413	0.680499	0.798897	-6.128
IFNL2	-0.04987	0.049872	1.035173	-1.03517	5.6769	-0.411	0.682149	0.799736	-6.129
HIBADH	-0.03439	0.034393	1.024126	-1.02413	7.0042	-0.409	0.68355	0.800548	-6.13
PA2G4	0.132948	0.132948	1.096532	1.096532	12.489	0.4014	0.688954	0.805489	-6.133
PRDX5	0.142819	0.142819	1.10406	1.10406	9.5165	0.4011	0.689196	0.805489	-6.133
DCTPP1	0.128127	0.128127	1.092874	1.092874	12.067	0.3999	0.690095	0.805706	-6.134
EPHB2	-0.0659	0.065898	1.046736	-1.04674	7.1679	-0.392	0.696163	0.811113	-6.137
MSLN	0.096979	0.096979	1.069532	1.069532	7.3442	0.3925	0.695541	0.811113	-6.136
CLIC1	-0.0725	0.072502	1.051538	-1.05154	14.538	-0.389	0.6981	0.812531	-6.138
KLK8	0.03229	0.03229	1.022634	1.022634	7.7895	0.3838	0.701946	0.815807	-6.14
TFPI	0.196136	0.196136	1.145626	1.145626	7.8229	0.3832	0.70236	0.815807	-6.14
IL22	-0.09776	0.097758	1.070109	-1.07011	7.6509	-0.38	0.70511	0.816481	-6.141
CRLF2	-0.02978	0.029782	1.020858	-1.02086	8.5548	-0.381	0.704281	0.816481	-6.141
SFRP1	0.131308	0.131308	1.095286	1.095286	7.647	0.3799	0.704848	0.816481	-6.141
TIE1	-0.11532	0.115318	1.083214	-1.08321	8.2222	-0.374	0.709059	0.818259	-6.143
LCORL	-0.04735	0.047347	1.033363	-1.03336	5.5255	-0.376	0.707638	0.818259	-6.143
MAPKAPK	0.053316	0.053316	1.037647	1.037647	7.073	0.3746	0.70874	0.818259	-6.143
NCAM1	0.120968	0.120968	1.087464	1.087464	7.4239	0.3735	0.709544	0.818259	-6.144
TNFRSF11	0.03388	0.03388	1.023762	1.023762	7.6516	0.3709	0.711513	0.819692	-6.144
EFNA5	-0.11116	0.111159	1.080096	-1.0801	9.2208	-0.368	0.713767	0.820696	-6.146
UFM1	0.086414	0.086414	1.061728	1.061728	11.429	0.3677	0.713839	0.820696	-6.146
JAG1	0.059092	0.059092	1.04181	1.04181	6.4394	0.3658	0.7153	0.82154	-6.146
CAMK1	-0.06394	0.063941	1.045317	-1.04532	11.351	-0.364	0.716902	0.821708	-6.147
CPB2	0.214585	0.214585	1.16037	1.16037	10.008	0.3637	0.71685	0.821708	-6.147
SH2D1A	0.077409	0.077409	1.055121	1.055121	6.494	0.3593	0.720148	0.824591	-6.149
ERBB4	-0.04849	0.048494	1.034185	-1.03418	4.7061	-0.355	0.722997	0.826533	-6.15
PSME3	0.035482	0.035482	1.024899	1.024899	6.0433	0.3541	0.724007	0.826533	-6.15
EPO	0.039592	0.039592	1.027823	1.027823	6.0319	0.354	0.72404	0.826533	-6.15
SELP	0.073351	0.073351	1.052157	1.052157	6.4552	0.3506	0.726614	0.828634	-6.152
MMP8	0.078688	0.078688	1.056057	1.056057	9.2739	0.3475	0.728965	0.828803	-6.153
SGTA	0.103974	0.103974	1.074729	1.074729	9.0518	0.3488	0.727976	0.828803	-6.152
CXCL6	0.280066	0.280066	1.21425	1.21425	10.412	0.3482	0.728393	0.828803	-6.152
SMPDL3A	0.066887	0.066887	1.047454	1.047454	12.704	0.343	0.732276	0.830894	-6.154
ITGAV	0.189124	0.189124	1.140071	1.140071	10.166	0.3439	0.731619	0.830894	-6.154
PDXP	-0.09231	0.092309	1.066075	-1.06608	8.9709	-0.337	0.736617	0.833308	-6.156
IL17RC	-0.05484	0.054844	1.038747	-1.03875	7.8577	-0.338	0.735883	0.833308	-6.156
HTRA2	0.084396	0.084396	1.060244	1.060244	9.4659	0.3379	0.736135	0.833308	-6.156
PLA2G2A	0.206151	0.206151	1.153606	1.153606	9.1759	0.3338	0.739233	0.83543	-6.157
HAT1	-0.17752	0.177518	1.130937	-1.13094	9.3047	-0.331	0.741271	0.836231	-6.158
TG	-0.04153	0.041533	1.029207	-1.02921	6.0664	-0.331	0.741423	0.836231	-6.158

CSF3R	0.032478	0.032478	1.022767	1.022767	7.3751	0.3289	0.742921	0.83643	-6.159
F7	0.041608	0.041608	1.02926	1.02926	8.0613	0.3287	0.743082	0.83643	-6.159
BSG	0.051747	0.051747	1.036519	1.036519	11.37	0.3211	0.74881	0.842038	-6.161
EGFR	-0.06221	0.062209	1.044063	-1.04406	10.265	-0.32	0.749661	0.842157	-6.162
EREG	0.031539	0.031539	1.022102	1.022102	7.6629	0.3184	0.75087	0.842676	-6.162
GP1BA	0.032602	0.032602	1.022855	1.022855	6.5205	0.317	0.751865	0.842955	-6.162
BGN	0.027313	0.027313	1.019113	1.019113	6.845	0.306	0.760204	0.851458	-6.166
EIF5	-0.04746	0.047458	1.033443	-1.03344	8.6869	-0.297	0.76715	0.857043	-6.168
PSMA2	0.097039	0.097039	1.069576	1.069576	7.4875	0.2965	0.767468	0.857043	-6.169
SERPINA5	0.210738	0.210738	1.15728	1.15728	12.346	0.2981	0.766253	0.857043	-6.168
MST1	0.09078	0.09078	1.064946	1.064946	4.8362	0.2953	0.768388	0.857224	-6.169
DSC3	-0.03766	0.037663	1.02645	-1.02645	5.434	-0.293	0.770393	0.858612	-6.17
CCL5	0.027956	0.027956	1.019566	1.019566	7.3303	0.2904	0.772078	0.859641	-6.17
UBE2L3	-0.06252	0.062516	1.044285	-1.04429	8.4467	-0.285	0.776165	0.86249	-6.172
TNFRSF18	-0.02083	0.020826	1.01454	-1.01454	7.2107	-0.285	0.77605	0.86249	-6.172
GDF11	-0.02416	0.024157	1.016886	-1.01689	7.56	-0.276	0.782956	0.869182	-6.174
FGFR3	0.028858	0.028858	1.020204	1.020204	7.5481	0.2744	0.784339	0.869861	-6.175
CXCL11	0.136139	0.136139	1.09896	1.09896	6.7574	0.2704	0.787375	0.872372	-6.176
SHBG	-0.1448	0.144804	1.105581	-1.10558	10.564	-0.263	0.792803	0.873081	-6.178
HNRNPAB	-0.0668	0.066805	1.047394	-1.04739	15.566	-0.264	0.792332	0.873081	-6.177
MICB	-0.05238	0.052378	1.036973	-1.03697	6.0136	-0.263	0.793323	0.873081	-6.178
MMP9	-0.05087	0.050871	1.03589	-1.03589	17.333	-0.263	0.793429	0.873081	-6.178
NOG	-0.04542	0.045416	1.031981	-1.03198	7.0381	-0.266	0.790903	0.873081	-6.177
EIF4EBP2	0.030785	0.030785	1.021568	1.021568	5.5955	0.2667	0.790243	0.873081	-6.177
SORCS2	0.077263	0.077263	1.055014	1.055014	5.8396	0.2639	0.792402	0.873081	-6.177
PES1	-0.02474	0.024743	1.017298	-1.0173	6.4855	-0.258	0.797095	0.876261	-6.179
CCL14	-0.10985	0.109855	1.079119	-1.07912	7.3238	-0.252	0.801395	0.876902	-6.18
FRZB	-0.05192	0.051923	1.036646	-1.03665	9.62	-0.253	0.8004	0.876902	-6.18
LRIG3	-0.02935	0.029346	1.020549	-1.02055	5.8824	-0.252	0.801261	0.876902	-6.18
OPCML	-0.02435	0.024345	1.017018	-1.01702	9.8964	-0.252	0.8019	0.876902	-6.18
DIABLO	0.04119	0.04119	1.028962	1.028962	10.02	0.251	0.802338	0.876902	-6.181
SERPINA3	0.046853	0.046853	1.033009	1.033009	16.382	0.2542	0.79988	0.876902	-6.18
C3_X3	-0.09734	0.097337	1.069797	-1.0698	16.071	-0.25	0.803168	0.87696	-6.181
DBNL	-0.0503	0.0503	1.03548	-1.03548	12.395	-0.247	0.805759	0.878939	-6.182
PTGS2	0.102183	0.102183	1.073396	1.073396	9.2227	0.2455	0.806548	0.87895	-6.182
PSME1	0.065655	0.065655	1.04656	1.04656	14.727	0.2442	0.807576	0.879222	-6.182
GDI2	-0.04241	0.042405	1.029829	-1.02983	17.333	-0.243	0.808726	0.879626	-6.183
POMC_X2	0.026037	0.026037	1.018211	1.018211	6.3018	0.2415	0.809627	0.879758	-6.183
PLAU	-0.03812	0.038117	1.026773	-1.02677	7.0221	-0.238	0.81275	0.881455	-6.184
FETUB	0.183579	0.183579	1.135698	1.135698	8.5399	0.2382	0.81217	0.881455	-6.184
MAP2K1	0.077524	0.077524	1.055205	1.055205	7.5219	0.2328	0.816356	0.884516	-6.185
MDK	-0.06578	0.065779	1.04665	-1.04665	6.8518	-0.231	0.817992	0.885439	-6.185
FGF16	-0.04964	0.04964	1.035007	-1.03501	8.2938	-0.229	0.819262	0.885964	-6.186
CXCL13	-0.05038	0.050376	1.035535	-1.03553	6.5604	-0.228	0.820339	0.88628	-6.186
IL1RAP	0.04845	0.04845	1.034154	1.034154	9.7145	0.2227	0.824257	0.889662	-6.187
KIR3DS1	0.026375	0.026375	1.01845	1.01845	6.3611	0.2202	0.826162	0.890016	-6.188
DLL1	0.082289	0.082289	1.058697	1.058697	9.3806	0.2203	0.826118	0.890016	-6.188
FSTL3	-0.04187	0.041869	1.029447	-1.02945	6.2631	-0.214	0.831179	0.894567	-6.189
FCER2	-0.08867	0.088673	1.063392	-1.06339	9.7879	-0.208	0.835925	0.898466	-6.19
HBA1	0.168981	0.168981	1.124264	1.124264	8.2653	0.207	0.836393	0.898466	-6.19
ACAN	-0.0185	0.018498	1.012905	-1.0129	6.3152	-0.204	0.838865	0.900265	-6.191
CHL1	-0.03785	0.037849	1.026582	-1.02658	10.009	-0.191	0.848678	0.909931	-6.193
GFAP	-0.01618	0.016179	1.011278	-1.01128	6.8195	-0.19	0.850028	0.910514	-6.194
KNG1	0.14976	0.14976	1.109385	1.109385	9.8494	0.1881	0.851174	0.910877	-6.194
CTSE	-0.02125	0.021247	1.014837	-1.01484	5.6749	-0.186	0.852531	0.911466	-6.194
ERP29	0.041417	0.041417	1.029124	1.029124	15.723	0.1839	0.854485	0.911827	-6.195
PKM2	0.091161	0.091161	1.065227	1.065227	13.203	0.1847	0.853844	0.911827	-6.195
JAG2	-0.01724	0.017237	1.01202	-1.01202	6.374	-0.182	0.856159	0.912751	-6.195
IL12RB2	-0.03355	0.03355	1.023528	-1.02353	7.7573	-0.181	0.856981	0.912765	-6.195

CCL17	-0.02095	0.020953	1.014629	-1.01463	6.5328	-0.176	0.860371	0.912931	-6.196
MEPE	-0.01973	0.019735	1.013773	-1.01377	5.8141	-0.179	0.858638	0.912931	-6.196
GZMH	-0.01887	0.01887	1.013166	-1.01317	6.3644	-0.177	0.859641	0.912931	-6.196
BMPER	0.016632	0.016632	1.011595	1.011595	6.2354	0.1768	0.860057	0.912931	-6.196
PTHLH	-0.08929	0.089288	1.063845	-1.06384	8.9584	-0.175	0.861762	0.913549	-6.196
ARTN	-0.01311	0.013108	1.009127	-1.00913	6.9594	-0.173	0.862834	0.913827	-6.197
TK1	0.027239	0.027239	1.01906	1.01906	8.0651	0.1697	0.865547	0.915841	-6.197
CSF2	-0.05177	0.05177	1.036536	-1.03654	9.3102	-0.164	0.86981	0.91912	-6.198
PRKCG	0.019025	0.019025	1.013275	1.013275	4.8374	0.1637	0.870274	0.91912	-6.198
BMPR1A	0.018863	0.018863	1.013161	1.013161	5.1147	0.1592	0.873841	0.922024	-6.199
MIF	-0.0611	0.061103	1.043263	-1.04326	12.543	-0.154	0.877574	0.925099	-6.2
DPT	0.026512	0.026512	1.018547	1.018547	5.9837	0.1517	0.8797	0.926475	-6.2
HMGB1	-0.0784	0.078403	1.055849	-1.05585	12.86	-0.15	0.881445	0.927177	-6.2
TNF	-0.01554	0.015537	1.010828	-1.01083	6.3081	-0.149	0.882009	0.927177	-6.2
CDH1	0.055438	0.055438	1.039175	1.039175	13.863	0.1433	0.886314	0.930836	-6.201
PDE4D	-0.0164	0.016404	1.011435	-1.01144	8.2183	-0.138	0.890685	0.934557	-6.202
FCN3	-0.01663	0.016633	1.011596	-1.0116	5.8757	-0.132	0.894994	0.937336	-6.203
CNTN2	0.013368	0.013368	1.009309	1.009309	6.3394	0.1329	0.894528	0.937336	-6.203
MICA	-0.07122	0.071222	1.050606	-1.05061	6.6435	-0.131	0.896025	0.937546	-6.203
C5	-0.05738	0.057381	1.040575	-1.04058	7.1823	-0.119	0.905156	0.943701	-6.204
INHBB	-0.01325	0.013248	1.009225	-1.00922	6.037	-0.12	0.904853	0.943701	-6.204
NPPB	0.011643	0.011643	1.008103	1.008103	6.0384	0.1193	0.90525	0.943701	-6.204
SCARF1	0.031431	0.031431	1.022025	1.022025	6.9364	0.1223	0.902894	0.943701	-6.204
ADAM12	-0.00994	0.009943	1.006916	-1.00692	6.8791	-0.118	0.906598	0.944234	-6.204
TGFB3	0.025904	0.025904	1.018118	1.018118	7.4485	0.109	0.913439	0.950481	-6.205
LAMA1	-0.01942	0.019418	1.01355	-1.01355	7.0667	-0.106	0.91567	0.95105	-6.206
UNC5C	0.037743	0.037743	1.026507	1.026507	6.6601	0.1062	0.915636	0.95105	-6.206
SEZ6L2	-0.02024	0.020244	1.014131	-1.01413	7.8208	-0.102	0.919294	0.952398	-6.206
IL24	-0.0088	0.0088	1.006118	-1.00612	6.3229	-0.102	0.919073	0.952398	-6.206
PECAM1	0.00758	0.00758	1.005268	1.005268	7.8314	0.1013	0.919499	0.952398	-6.206
KRT18	0.010894	0.010894	1.00758	1.00758	5.3382	0.0942	0.925134	0.957357	-6.207
PRSS2	0.023902	0.023902	1.016706	1.016706	7.2963	0.0801	0.936348	0.968075	-6.208
C3_X5	0.011125	0.011125	1.007741	1.007741	6.4887	0.0742	0.941031	0.972025	-6.208
IL18BP	-0.00828	0.008279	1.005755	-1.00575	6.4538	-0.07	0.944217	0.973535	-6.209
TNFRSF15	0.026118	0.026118	1.018269	1.018269	10.034	0.071	0.943555	0.973535	-6.209
BMP1	-0.00735	0.007349	1.005107	-1.00511	5.6284	-0.067	0.94711	0.975627	-6.209
TPSG1	0.008883	0.008883	1.006176	1.006176	6.0725	0.0649	0.948353	0.976016	-6.209
STIP1	-0.01341	0.013407	1.009337	-1.00934	15.488	-0.059	0.953407	0.976505	-6.209
KRAS	-0.00621	0.006212	1.004315	-1.00432	6.2557	-0.059	0.952821	0.976505	-6.209
IL17RD	-0.00535	0.005352	1.003716	-1.00372	6.1559	-0.058	0.954017	0.976505	-6.21
DMP1	0.006462	0.006462	1.004489	1.004489	6.7488	0.0622	0.950565	0.976505	-6.209
NCK1	0.007514	0.007514	1.005222	1.005222	7.7484	0.0597	0.952491	0.976505	-6.209
IL1R1	0.018139	0.018139	1.012652	1.012652	6.6928	0.0616	0.951029	0.976505	-6.209
IGFBP5	-0.02762	0.027619	1.019328	-1.01933	13.178	-0.049	0.960709	0.977956	-6.21
CCL23_X2	-0.01072	0.010723	1.00746	-1.00746	6.7025	-0.047	0.962421	0.977956	-6.21
CD274	-0.01068	0.010685	1.007434	-1.00743	7.1613	-0.05	0.960016	0.977956	-6.21
WFIKKN1	-0.00645	0.00645	1.004481	-1.00448	5.2921	-0.046	0.963231	0.977956	-6.21
ANGPT2	-0.00574	0.005745	1.00399	-1.00399	4.9704	-0.047	0.962623	0.977956	-6.21
ULBP2	-0.00532	0.005318	1.003693	-1.00369	5.9667	-0.047	0.96233	0.977956	-6.21
NTRK1	0.003607	0.003607	1.002503	1.002503	8.1944	0.0495	0.960625	0.977956	-6.21
IL17RB	0.006822	0.006822	1.00474	1.00474	6.8461	0.0478	0.961978	0.977956	-6.21
FGF7	0.00728	0.00728	1.005059	1.005059	7.3899	0.0503	0.95998	0.977956	-6.21
HNRNPK	0.003865	0.003865	1.002683	1.002683	6.1392	0.0371	0.970449	0.9844	-6.21
IDUA	0.00662	0.00662	1.004599	1.004599	15.077	0.0336	0.973263	0.986368	-6.211
CD109	-0.00432	0.004318	1.002998	-1.003	7.412	-0.031	0.975409	0.987657	-6.211
IFNGR1	0.002376	0.002376	1.001648	1.001648	6.3683	0.0281	0.977674	0.988177	-6.211
XCL1	0.002908	0.002908	1.002018	1.002018	6.2016	0.029	0.976891	0.988177	-6.211
TMPRSS1	0.002158	0.002158	1.001497	1.001497	5.688	0.0208	0.983483	0.99316	-6.211
ACP5	-0.00432	0.004316	1.002996	-1.003	13.782	-0.01	0.991846	0.996517	-6.211

PSMD7	-0.00323	0.003231	1.002242	-1.00224	7.8675	-0.01	0.992103	0.996517	-6.211
NRXN1	-0.00097	0.000965	1.000669	-1.00067	6.2421	-0.011	0.990882	0.996517	-6.211
COL8A1	0.003308	0.003308	1.002296	1.002296	6.2195	0.0133	0.98941	0.996517	-6.211
SHH	0.003845	0.003845	1.002669	1.002669	7.7147	0.0106	0.991528	0.996517	-6.211
HSPD1	0.005671	0.005671	1.003938	1.003938	11.162	0.012	0.990449	0.996517	-6.211
AMH	-0.00117	0.001168	1.00081	-1.00081	13.295	-0.002	0.998078	0.998092	-6.211
CRTAM	-0.00043	0.000425	1.000295	-1.00029	6.4566	-0.005	0.996043	0.998092	-6.211
ACVRL1	0.000336	0.000336	1.000233	1.000233	8.4751	0.0047	0.996272	0.998092	-6.211
RGMB	0.000945	0.000945	1.000655	1.000655	8.1003	0.0024	0.998092	0.998092	-6.211
CCL21	0.001691	0.001691	1.001173	1.001173	8.9505	0.0024	0.998069	0.998092	-6.211

Spu_soma_NSA_NH

	logFC	ABS(fc)	fc	Fold change	AveExpr t	P.Value	adj.P.Val	B	
HAPLN1	-1.07554	1.075536	2.107505	-2.1075	7.554	-5.972	3.52E-08	3.97E-05	8.4986
PAPPA	3.717665	3.717665	13.15614	13.15614	11.296	5.556	2.25E-07	0.000127	6.7734
CAT	1.794425	1.794425	3.468771	3.468771	13.893	5.2024	1.03E-06	0.000292	5.3585
APCS	2.57896	2.57896	5.975089	5.975089	14.784	5.2078	1.01E-06	0.000292	5.3795
ROBO2	-1.18085	1.180845	2.267096	-2.2671	9.5797	-4.962	2.83E-06	0.000639	4.4269
TGFBR3	-1.35496	1.354956	2.557893	-2.55789	9.4868	-4.733	7.21E-06	0.001357	3.5639
IBSP	-0.78016	0.780156	1.717317	-1.71732	6.9868	-4.671	9.28E-06	0.001497	3.3311
TNFSF14	1.647726	1.647726	3.133393	3.133393	8.7359	4.4599	2.13E-05	0.003008	2.5659
SET	-0.70843	0.708427	1.634022	-1.63402	13.152	-4.353	3.23E-05	0.004047	2.1853
GSTA3	-1.48216	1.482162	2.793671	-2.79367	7.9034	-3.956	0.000142	0.012546	0.8309
GZMB	1.28438	1.28438	2.435773	2.435773	6.3852	3.9353	0.000153	0.012546	0.7638
CCL4L1	1.896354	1.896354	3.722712	3.722712	6.8366	4	0.000121	0.012546	0.9775
SLAMF7	-0.85066	0.850658	1.803323	-1.80332	10.271	-3.93	0.000156	0.012546	0.7473
CSNK2A2	0.919005	0.919005	1.890811	1.890811	7.8692	3.773	0.000272	0.01921	0.2389
CASP3	1.046233	1.046233	2.065131	2.065131	11.591	3.748	0.000297	0.019732	0.1597
CRP	1.838914	1.838914	3.577406	3.577406	8.5579	3.7096	0.00034	0.021304	0.0385
CNTN1	-1.04619	1.046187	2.065064	-2.06506	12.572	-3.569	0.00055	0.027014	-0.398
CD300C	1.032136	1.032136	2.04505	2.04505	11.441	3.5693	0.00055	0.027014	-0.396
FCGR3B	-0.59773	0.597732	1.513335	-1.51334	14.946	-3.589	0.000514	0.027014	-0.336
CSNK2A1	0.949387	0.949387	1.931052	1.931052	8.7045	3.5769	0.000536	0.027014	-0.373
CDH3	-1.12447	1.124469	2.180213	-2.18021	15.213	-3.539	0.000609	0.027488	-0.488
AGER	-1.33401	1.334008	2.521021	-2.52102	9.5832	-3.502	0.00069	0.02798	-0.601
PRTN3	0.953356	0.953356	1.936372	1.936372	14.015	3.5169	0.000656	0.02798	-0.555
HIST1H1C	1.800705	1.800705	3.483905	3.483905	8.7037	3.4212	0.000901	0.031792	-0.841
SFTPD	-1.05434	1.054342	2.076771	-2.07677	17.849	-3.376	0.001044	0.035494	-0.973
FCGR2A	1.048332	1.048332	2.068137	2.068137	10.975	3.2308	0.001667	0.035494	-1.392
PIGR	-0.67719	0.677192	1.599024	-1.59902	18.151	-3.241	0.001616	0.035494	-1.364
DSG2	-0.65412	0.654116	1.573651	-1.57365	18.024	-3.308	0.001301	0.035494	-1.17
AMHR2	-0.64138	0.641378	1.559819	-1.55982	18.287	-3.233	0.001653	0.035494	-1.384
TNFRSF25	-0.61678	0.616781	1.533449	-1.53345	16.451	-3.296	0.001356	0.035494	-1.207
ANGPTL4	0.60857	0.60857	1.524747	1.524747	8.5461	3.3256	0.001231	0.035494	-1.121
CXCL8	0.968928	0.968928	1.957386	1.957386	14.996	3.23	0.001671	0.035494	-1.394
PDIA3	1.091148	1.091148	2.130434	2.130434	12.465	3.3186	0.001259	0.035494	-1.141
CDH5	1.203366	1.203366	2.302763	2.302763	8.7632	3.311	0.00129	0.035494	-1.163
GNLY	1.279453	1.279453	2.427469	2.427469	8.2587	3.3385	0.001181	0.035494	-1.084
VWF	1.810907	1.810907	3.508629	3.508629	11.371	3.2977	0.001347	0.035494	-1.201
CA6	-0.86559	0.865594	1.82209	-1.82209	15.614	-3.193	0.001877	0.036875	-1.497
CST5	-0.83238	0.832383	1.780625	-1.78062	17.137	-3.154	0.002124	0.036875	-1.607
LPO	-0.81009	0.810089	1.75332	-1.75332	17.554	-3.144	0.002189	0.036875	-1.634
ALPL	-0.65097	0.650973	1.570227	-1.57023	18.262	-3.175	0.001985	0.036875	-1.547
AK1	-1.14456	1.144556	2.210781	-2.21078	15.331	-3.153	0.002128	0.036875	-1.609
UCHL1	-1.06903	1.069031	2.098023	-2.09802	16.418	-3.189	0.001903	0.036875	-1.51
OLR1	1.29101	1.29101	2.446993	2.446993	9.1073	3.1418	0.002204	0.036875	-1.64
PRKCB	1.370275	1.370275	2.585198	2.585198	10.049	3.1977	0.001851	0.036875	-1.485
APOA1	2.28466	2.28466	4.872492	4.872492	12.139	3.1703	0.002017	0.036875	-1.561
SLPI	-0.59714	0.597139	1.512714	-1.51271	17.481	-3.109	0.00244	0.037679	-1.731
ITGA1	0.877018	0.877018	1.836575	1.836575	14.647	3.0963	0.002536	0.037679	-1.765
SPARCL1	-1.18878	1.188783	2.279603	-2.2796	11.399	-3.104	0.002475	0.037679	-1.743
CSF1R	-1.06916	1.069158	2.098209	-2.09821	11.024	-3.11	0.002433	0.037679	-1.728
GPI	2.249996	2.249996	4.756814	4.756814	13.951	3.104	0.002477	0.037679	-1.744
CPE	-0.71117	0.711168	1.637129	-1.63713	9.378	-3.075	0.00271	0.037768	-1.823
LTF	-0.62755	0.627554	1.544943	-1.54494	18.322	-3.078	0.002687	0.037768	-1.816
ANXA6	0.795422	0.795422	1.735585	1.735585	10.119	3.0855	0.002623	0.037768	-1.795
CST2	-0.63204	0.632035	1.54975	-1.54975	17.622	-3.047	0.002951	0.040146	-1.899
LYZ	-0.6182	0.618204	1.534964	-1.53496	16.247	-2.995	0.003452	0.043604	-2.038
B2M	-0.59463	0.594625	1.51008	-1.51008	16.307	-3.004	0.003361	0.043604	-2.014
MMP10	0.633958	0.633958	1.551817	1.551817	7.9203	3.001	0.003391	0.043604	-2.022

FN1	1.03284	1.03284	2.046048	2.046048	14.487	2.9927	0.003476	0.043604	-2.044
ICOSLG	1.623203	1.623203	3.080582	3.080582	13.685	2.9942	0.00346	0.043604	-2.04
MAPK8	-0.58399	0.583995	1.498994	-1.49899	8.5529	-1.687	0.094677	0.238636	-4.833
LCN2	-0.57657	0.576568	1.491297	-1.4913	17.647	-1.864	0.065249	0.186026	-4.539
FABP3	-0.57383	0.57383	1.48847	-1.48847	8.2049	-1.575	0.118418	0.273403	-5.005
ERBB3	-0.57229	0.572288	1.48688	-1.48688	8.8157	-2.657	0.00917	0.06239	-2.892
LGMN	-0.56678	0.566782	1.481216	-1.48122	14.974	-2.735	0.007368	0.055623	-2.702
CDON	-0.56049	0.560488	1.474768	-1.47477	9.9475	-2.782	0.00645	0.053157	-2.586
TFF3	-0.55739	0.557387	1.471602	-1.4716	16.652	-2.805	0.006037	0.052982	-2.528
KPNA2	-0.55212	0.552119	1.466238	-1.46624	9.7847	-2.479	0.014832	0.083195	-3.306
IGHM	-0.551	0.551002	1.465103	-1.4651	17.526	-2.976	0.003653	0.045327	-2.088
RPS27A	-0.54931	0.549309	1.463384	-1.46338	17.137	-2.965	0.00378	0.04588	-2.118
CTSH	-0.54631	0.546307	1.460342	-1.46034	14.695	-3.478	0.000747	0.028577	-0.672
PI3	-0.54321	0.54321	1.457211	-1.45721	16.125	-2.911	0.004433	0.047572	-2.258
IMPDH1	-0.5418	0.541799	1.455787	-1.45579	11.578	-1.165	0.246576	0.430935	-5.538
SPARC	-0.53972	0.539718	1.453688	-1.45369	12.793	-2.306	0.02317	0.105056	-3.685
IL6R	-0.52859	0.528588	1.442517	-1.44252	9.1196	-1.918	0.057894	0.17616	-4.442
HSPA8	-0.51442	0.514415	1.428415	-1.42842	4.9522	-3.163	0.002061	0.036875	-1.581
PRDX6	-0.51287	0.512867	1.426883	-1.42688	15.982	-2.679	0.008613	0.061542	-2.838
CKB_X2	-0.51264	0.512642	1.42666	-1.42666	13.315	-1.054	0.294363	0.482232	-5.656
IGHG1	-0.51183	0.511834	1.425861	-1.42586	17.908	-2.811	0.00594	0.052808	-2.514
AIF1	-0.5103	0.510299	1.424345	-1.42434	14.715	-1.586	0.115861	0.270263	-4.989
BCAN	-0.4986	0.498598	1.41284	-1.41284	6.5627	-3.135	0.002254	0.036875	-1.66
SFN	-0.49605	0.496053	1.41035	-1.41035	12.092	-1.901	0.060218	0.179859	-4.474
MB	-0.4902	0.4902	1.40464	-1.40464	13.544	-1.671	0.097809	0.242694	-4.858
PPIA	-0.48893	0.48893	1.403404	-1.4034	17.761	-2.734	0.007385	0.055623	-2.704
JAM3	-0.485	0.485	1.399585	-1.39959	8.9939	-2.04	0.043921	0.150263	-4.218
LAG3	-0.48499	0.484992	1.399578	-1.39958	5.4988	-2.149	0.034055	0.129891	-4.008
BCAM	-0.48496	0.484963	1.39955	-1.39955	7.514	-3.544	0.000599	0.027488	-0.474
CD27	-0.48252	0.482517	1.397179	-1.39718	13.19	-2.099	0.038336	0.140287	-4.106
DSG1	-0.47894	0.478943	1.393723	-1.39372	10.02	-2.435	0.016654	0.08786	-3.405
MMP7	-0.47586	0.47586	1.390747	-1.39075	14.859	-1.472	0.144072	0.311009	-5.153
ERBB2	-0.46955	0.469547	1.384674	-1.38467	6.642	-3.249	0.001574	0.035494	-1.341
TPM2	-0.45873	0.458732	1.374333	-1.37433	9.7691	-2.795	0.00622	0.053157	-2.555
HMGB1	-0.45556	0.455556	1.371311	-1.37131	12.86	-1.011	0.314607	0.503817	-5.699
GPNMB	-0.43625	0.436254	1.353087	-1.35309	12.506	-1.126	0.262757	0.447439	-5.581
PRSS22	-0.43067	0.430671	1.34786	-1.34786	8.6679	-0.717	0.474772	0.634623	-5.943
CFD	-0.42745	0.427455	1.344859	-1.34486	10.936	-1.713	0.089851	0.231656	-4.792
CNTN4	-0.42282	0.422822	1.340547	-1.34055	9.7214	-3.986	0.000127	0.012546	0.9309
GSN	-0.41285	0.412847	1.331311	-1.33131	15.821	-1.243	0.216685	0.407729	-5.449
TNFSF15	-0.40799	0.407991	1.326836	-1.32684	7.4185	-3.337	0.001186	0.035494	-1.088
CTSD	-0.40745	0.40745	1.326339	-1.32634	14.832	-1.536	0.127615	0.286902	-5.062
CCL28	-0.40427	0.404266	1.323416	-1.32342	11.595	-0.798	0.426631	0.598363	-5.884
CTSG	-0.39875	0.398753	1.318367	-1.31837	12.193	-0.938	0.350626	0.535665	-5.767
CKM	-0.3896	0.389604	1.310034	-1.31003	10.873	-0.928	0.355511	0.540933	-5.776
CST4	-0.38283	0.382829	1.303896	-1.3039	10.773	-1.23	0.221615	0.412877	-5.465
C8A	-0.3803	0.380295	1.301608	-1.30161	9.856	-2.739	0.007287	0.055623	-2.693
IL37	-0.37523	0.375234	1.29705	-1.29705	8.3231	-2.786	0.006368	0.053157	-2.575
CD97	-0.37469	0.37469	1.296561	-1.29656	9.3845	-2.867	0.005044	0.047572	-2.371
GDF9	-0.3746	0.374598	1.296478	-1.29648	8.4342	-2.609	0.010457	0.067461	-3.006
BOC	-0.37398	0.373976	1.29592	-1.29592	5.5915	-2.315	0.022652	0.103959	-3.666
MAPK9	-0.37306	0.373064	1.295101	-1.2951	9.9873	-2.299	0.023568	0.106432	-3.7
PAFAH1B:	-0.37242	0.37242	1.294523	-1.29452	13.076	-1.084	0.280901	0.464331	-5.626
FGF1	-0.37046	0.370459	1.292764	-1.29276	6.2259	-2.143	0.034531	0.130807	-4.019
APOE_X2	-0.36896	0.368957	1.291419	-1.29142	14.303	-0.772	0.441911	0.613861	-5.904
FOLH1	-0.36282	0.362823	1.28594	-1.28594	9.3307	-2.693	0.00829	0.059997	-2.805
TYRO3	-0.35743	0.35743	1.281141	-1.28114	7.5184	-3.098	0.002523	0.037679	-1.76
LGALS3	-0.35341	0.353415	1.277581	-1.27758	16.068	-2.095	0.03863	0.140287	-4.112
HIPK3	-0.34642	0.346418	1.2714	-1.2714	8.4036	-2.718	0.007733	0.057437	-2.744

ULBP3	-0.34555	0.345547	1.270633	-1.27063	7.8271	-2.787	0.006353	0.053157	-2.573
CA10	-0.34266	0.34266	1.268092	-1.26809	7.9197	-3.137	0.002236	0.036875	-1.653
FGF20	-0.34205	0.34205	1.267556	-1.26756	6.0108	-3.465	0.000779	0.028577	-0.71
KIF23	-0.33724	0.337241	1.263339	-1.26334	7.8718	-1.46	0.147364	0.315103	-5.17
ANG	-0.33702	0.337018	1.263143	-1.26314	16.082	-1.626	0.107008	0.258697	-4.928
CCL18	-0.33699	0.336991	1.263119	-1.26312	9.9198	-0.604	0.547145	0.694165	-6.015
PEBP1	-0.3322	0.332205	1.258936	-1.25894	16.572	-2.311	0.022871	0.104538	-3.674
CST6	-0.32947	0.329474	1.256555	-1.25656	12.421	-1.09	0.278342	0.462811	-5.62
PRDX1	-0.32753	0.327526	1.25486	-1.25486	16.267	-1.58	0.117327	0.271997	-4.998
CCL1	-0.32618	0.326181	1.253691	-1.25369	10.015	-2.632	0.009819	0.064828	-2.951
APOE_X3	-0.32559	0.325588	1.253175	-1.25317	14.861	-0.978	0.330388	0.515784	-5.73
MDH1	-0.32456	0.324561	1.252284	-1.25228	17.099	-2.174	0.032069	0.126865	-3.958
BTK	-0.32167	0.321667	1.249774	-1.24977	10.423	-0.646	0.519554	0.67268	-5.989
C6	-0.32167	0.321665	1.249772	-1.24977	15.27	-0.888	0.376403	0.556957	-5.811
LTA_X2	-0.32106	0.321056	1.249245	-1.24924	4.9295	-2.476	0.014959	0.083195	-3.314
ESAM	-0.31564	0.315637	1.244561	-1.24456	9.9191	-1.816	0.072325	0.20112	-4.621
RTN4R	-0.31349	0.313494	1.242714	-1.24271	9.9884	-1.215	0.227268	0.416205	-5.482
APOE_X4	-0.30819	0.308194	1.238157	-1.23816	15.681	-0.921	0.359471	0.543297	-5.783
LIN7B	-0.3065	0.306502	1.236705	-1.23671	7.8706	-1.363	0.175903	0.354933	-5.3
YES1	-0.30585	0.305848	1.236145	-1.23614	8.683	-1.135	0.258949	0.444307	-5.571
DDR1	-0.30445	0.304448	1.234946	-1.23495	8.988	-1.216	0.226693	0.416205	-5.48
ICAM1	-0.29234	0.292345	1.224629	-1.22463	11.188	-2.005	0.047685	0.157416	-4.285
ACP5	-0.291	0.291003	1.22349	-1.22349	13.782	-0.804	0.423538	0.596227	-5.88
LTBR	-0.28959	0.289586	1.22229	-1.22229	10.033	-2.536	0.01274	0.078333	-3.176
RPS3	-0.28828	0.288278	1.221182	-1.22118	7.1715	-1.189	0.237174	0.42235	-5.512
FCRL3	-0.28721	0.287205	1.220274	-1.22027	7.1708	-2.6	0.010734	0.068129	-3.028
CTSZ	-0.28588	0.285876	1.219151	-1.21915	8.6919	-0.451	0.653031	0.778534	-6.093
IL34	-0.28543	0.28543	1.218774	-1.21877	9.1982	-1.376	0.171892	0.349669	-5.283
AIP	-0.28471	0.284709	1.218165	-1.21816	11.035	-0.829	0.409198	0.586068	-5.86
SHH	-0.28248	0.282483	1.216286	-1.21629	7.7147	-0.91	0.365133	0.548185	-5.792
IL2RG	-0.28197	0.281972	1.215856	-1.21586	9.1223	-1.726	0.087481	0.228625	-4.771
HAT1	-0.28168	0.281678	1.215608	-1.21561	9.3047	-0.611	0.54248	0.691264	-6.011
OSM	-0.28147	0.281466	1.215429	-1.21543	9.4241	-2.449	0.01606	0.086752	-3.374
TKT	-0.27916	0.279164	1.213492	-1.21349	17.718	-1.913	0.058562	0.176773	-4.452
MMP14	-0.27859	0.27859	1.213009	-1.21301	7.1285	-3	0.003397	0.043604	-2.023
HS6ST1	-0.27627	0.276269	1.211059	-1.21106	5.8865	-2.13	0.035592	0.132618	-4.044
MICA	-0.27622	0.276221	1.211019	-1.21102	6.6435	-0.591	0.555777	0.699523	-6.022
TSLP	-0.2761	0.276097	1.210914	-1.21091	5.9941	-3.463	0.000785	0.028577	-0.717
PTGS2	-0.27574	0.275737	1.210612	-1.21061	9.2227	-0.771	0.442655	0.613861	-5.905
SPINT1	-0.27453	0.274526	1.209596	-1.2096	7.9998	-2.849	0.005322	0.049656	-2.418
IL25	-0.27372	0.273718	1.208919	-1.20892	5.4886	-2.386	0.018882	0.094722	-3.512
FGF10	-0.27155	0.271548	1.207103	-1.2071	5.4912	-2.396	0.018422	0.093687	-3.491
CNTN5	-0.27135	0.271347	1.206934	-1.20693	6.1484	-2.473	0.015078	0.083445	-3.32
ENTPD5	-0.27053	0.270526	1.206248	-1.20625	8.643	-1.544	0.125738	0.283948	-5.051
CSF3	-0.26897	0.268965	1.204943	-1.20494	9.6729	-0.651	0.516756	0.670595	-5.987
C3_X4	-0.26721	0.267208	1.203477	-1.20348	5.0138	-2.057	0.042294	0.146109	-4.187
RAD51	-0.2663	0.266304	1.202723	-1.20272	9.2487	-2.032	0.044785	0.152114	-4.234
PDCD1LG	-0.2659	0.265896	1.202382	-1.20238	7.5317	-1.462	0.146909	0.314819	-5.168
TPO	-0.26421	0.264209	1.200978	-1.20098	8.9676	-2.64	0.009606	0.063795	-2.932
KLK5	-0.26245	0.262447	1.199512	-1.19951	5.9421	-1.62	0.108309	0.260157	-4.937
FGF8	-0.26007	0.260068	1.197535	-1.19754	8.6093	-2.52	0.013291	0.079818	-3.212
IFNA2	-0.25805	0.258054	1.195865	-1.19586	5.4413	-2.389	0.018764	0.094684	-3.507
DKK3	-0.25555	0.255548	1.193789	-1.19379	9.7717	-1.623	0.10764	0.259117	-4.932
RTN4	-0.2553	0.255299	1.193583	-1.19358	15.881	-1.414	0.160506	0.335577	-5.233
CDK5	-0.25347	0.253467	1.192068	-1.19207	8.7871	-2.221	0.028563	0.119418	-3.861
MPL	-0.25111	0.251113	1.190125	-1.19013	6.128	-2.922	0.004296	0.047572	-2.23
C1QBP	-0.25029	0.250289	1.189446	-1.18945	12.83	-1.871	0.064186	0.184392	-4.525
Protein Re	-0.25	0.249999	1.189207	-1.18921	6.024	-1.938	0.055467	0.171569	-4.408
YWHAB	-0.24984	0.24984	1.189075	-1.18907	15.305	-1.449	0.150511	0.319412	-5.186

DUSP3	-0.24974	0.249736	1.18899	-1.18899	6.6599	-1.201	0.232714	0.419193	-5.498
RASA1	-0.24878	0.24878	1.188202	-1.1882	8.7505	-2.226	0.028271	0.119052	-3.852
FGF19	-0.24766	0.247662	1.187282	-1.18728	6.6035	-3.036	0.003051	0.041003	-1.928
BCL2L1	-0.24756	0.247555	1.187194	-1.18719	7.8733	-2.659	0.009104	0.06239	-2.886
NOV	-0.2471	0.247098	1.186818	-1.18682	6.7409	-2.26	0.025962	0.114049	-3.781
SEMA3E	-0.24658	0.246578	1.18639	-1.18639	10.18	-0.713	0.477711	0.636446	-5.946
KLK12	-0.24464	0.244636	1.184794	-1.18479	10.568	-1.706	0.091051	0.233481	-4.803
HNRNPA2	-0.24461	0.24461	1.184772	-1.18477	17.382	-1.55	0.124313	0.283948	-5.042
TNFRSF11	-0.2426	0.242603	1.183125	-1.18313	11.32	-1.88	0.062968	0.183223	-4.51
PAK3	-0.24105	0.241048	1.181851	-1.18185	8.5428	-2.056	0.042315	0.146109	-4.187
FLT3	-0.24093	0.24093	1.181754	-1.18175	9.0973	-2.031	0.044881	0.152114	-4.235
F5	-0.24079	0.240788	1.181638	-1.18164	14.32	-0.596	0.552448	0.698514	-6.02
CCL14	-0.24069	0.240691	1.181558	-1.18156	7.3238	-0.643	0.521794	0.674034	-5.992
ROR1	-0.23707	0.237068	1.178595	-1.17859	8.3923	-1.518	0.132228	0.292145	-5.089
ALCAM	-0.23659	0.236593	1.178207	-1.17821	12.916	-1.096	0.275715	0.461159	-5.613
IGFBP4	-0.23576	0.235759	1.177526	-1.17753	10.874	-0.444	0.657661	0.781578	-6.096
PLA2G5	-0.23569	0.235689	1.177469	-1.17747	6.1696	-3.215	0.001753	0.03599	-1.437
CA2	-0.23477	0.234768	1.176718	-1.17672	5.3317	-1.72	0.088491	0.230199	-4.78
HBEGF	-0.23375	0.233748	1.175886	-1.17589	5.4418	-2.535	0.012783	0.078333	-3.179
ACP1	-0.23375	0.233746	1.175884	-1.17588	9.3633	-0.743	0.45909	0.622224	-5.925
CD22	-0.2333	0.233297	1.175518	-1.17552	8.3278	-2.957	0.003873	0.046028	-2.139
NCR3	-0.23022	0.23022	1.173014	-1.17301	5.9289	-2.533	0.012836	0.078333	-3.182
CTF1	-0.22979	0.229794	1.172668	-1.17267	7.6903	-1.718	0.088779	0.230418	-4.783
SBDS	-0.22889	0.228888	1.171931	-1.17193	9.4939	-1.087	0.279443	0.463203	-5.622
IL17D	-0.22791	0.227912	1.171139	-1.17114	7.0795	-1.98	0.05042	0.163107	-4.33
CA4	-0.22781	0.227808	1.171054	-1.17105	9.0992	-2.051	0.042857	0.147517	-4.197
TNFSF11	-0.22751	0.227508	1.17081	-1.17081	8.4795	-2.03	0.045001	0.152114	-4.237
BMP7	-0.22495	0.224952	1.168738	-1.16874	6.2477	-1.577	0.11799	0.272973	-5.003
CCL25	-0.22375	0.223752	1.167767	-1.16777	6.1748	-2.315	0.022622	0.103959	-3.665
CDC37	-0.22371	0.223707	1.16773	-1.16773	5.8913	-2.071	0.040862	0.144166	-4.158
LY86	-0.22345	0.223452	1.167524	-1.16752	15.368	-1.056	0.293339	0.481366	-5.654
VIP	-0.22217	0.222172	1.166488	-1.16649	5.7305	-2.671	0.00881	0.062053	-2.858
PSPN	-0.22104	0.221042	1.165575	-1.16558	5.6878	-2.181	0.031504	0.126331	-3.943
IL23R	-0.22068	0.220679	1.165282	-1.16528	7.6009	-1.637	0.104688	0.254726	-4.911
IL18RAP	-0.21862	0.218619	1.163619	-1.16362	6.8808	-2.961	0.00382	0.04588	-2.127
CNTF	-0.21702	0.217022	1.162332	-1.16233	6.5803	-2.174	0.032053	0.126865	-3.957
SCGB2A1	-0.21676	0.216761	1.162121	-1.16212	14.452	-1.608	0.111005	0.264399	-4.956
TNFRSF9	-0.21609	0.21609	1.161581	-1.16158	5.8228	-2.609	0.010451	0.067461	-3.005
SIGLEC1	-0.2133	0.213301	1.159338	-1.15934	4.7577	-1.652	0.101711	0.249092	-4.889
IL13RA1	-0.21223	0.212225	1.158474	-1.15847	8.9948	-1.401	0.164141	0.340104	-5.25
NR3C1	-0.21004	0.210044	1.156723	-1.15672	5.8435	-2.455	0.015794	0.085726	-3.36
KLK4	-0.20793	0.207925	1.155026	-1.15503	6.5157	-2.074	0.040604	0.143706	-4.153
AREG	-0.2076	0.207597	1.154763	-1.15476	8.6907	-0.978	0.330187	0.515784	-5.73
TPT1	-0.20281	0.202809	1.150937	-1.15094	16.589	-1.24	0.217983	0.409489	-5.453
IL4	-0.2018	0.201796	1.150129	-1.15013	6.7353	-2.41	0.017782	0.091252	-3.461
CD80	-0.20123	0.201232	1.14968	-1.14968	7.055	-2.016	0.046477	0.154738	-4.264
OMD	-0.20048	0.200481	1.149081	-1.14908	8.5753	-0.734	0.464953	0.62641	-5.932
FGF8_X2	-0.20009	0.200087	1.148767	-1.14877	5.8017	-2.346	0.020935	0.098896	-3.6
HCK	-0.19945	0.19945	1.14826	-1.14826	5.3285	-1.841	0.068545	0.192506	-4.578
ABL1	-0.1992	0.199197	1.148059	-1.14806	5.7904	-2.057	0.042272	0.146109	-4.186
CXCL1	-0.19916	0.199155	1.148026	-1.14803	14.068	-0.331	0.741509	0.843065	-6.138
IGFBP1	-0.19879	0.198791	1.147736	-1.14774	6.0902	-1.95	0.053935	0.169616	-4.385
CHEK2	-0.1979	0.197905	1.147031	-1.14703	5.8259	-2.097	0.038535	0.140287	-4.11
IL10RB	-0.19672	0.196725	1.146094	-1.14609	8.0509	-2.53	0.012946	0.07858	-3.19
DNAJB1	-0.1966	0.196602	1.145996	-1.146	8.3152	-0.717	0.474984	0.634623	-5.943
KLK3	-0.19508	0.195081	1.144788	-1.14479	5.3314	-1.917	0.058064	0.17616	-4.445
H2AFZ	-0.19504	0.195038	1.144755	-1.14475	10.455	-0.39	0.69756	0.815265	-6.118
DDC	-0.19232	0.192321	1.1426	-1.1426	5.9514	-2.065	0.041497	0.145496	-4.171
IL3RA	-0.19052	0.190519	1.141175	-1.14117	7.0571	-2.465	0.015369	0.084231	-3.337

ETHE1	-0.18959	0.189589	1.140438	-1.14044	7.4687	-2.59	0.011018	0.069107	-3.051
PFDN5	-0.18732	0.187316	1.138643	-1.13864	11.106	-0.595	0.553119	0.698514	-6.02
PDK1	-0.18727	0.18727	1.138607	-1.13861	8.6813	-1.635	0.105102	0.255183	-4.914
INHBB	-0.1871	0.187101	1.138474	-1.13847	6.037	-1.969	0.05171	0.165768	-4.351
HAMP	-0.18657	0.18657	1.138054	-1.13805	6.6003	-2.322	0.022242	0.102913	-3.651
IL11RA	-0.18644	0.186439	1.137952	-1.13795	7.3808	-1.422	0.157979	0.332758	-5.222
PLK1	-0.18306	0.183064	1.135292	-1.13529	5.4604	-1.73	0.086718	0.227685	-4.764
IFNG	-0.18243	0.182433	1.134796	-1.1348	7.3647	-1.209	0.229492	0.416554	-5.489
REN	-0.18216	0.182157	1.134579	-1.13458	7.2045	-1.749	0.083349	0.222989	-4.733
ENPP7	-0.18137	0.181366	1.133957	-1.13396	5.245	-1.673	0.097411	0.24224	-4.855
CCL24	-0.18057	0.180569	1.133331	-1.13333	6.818	-2.084	0.039677	0.142478	-4.134
SPHK2	-0.18047	0.180475	1.133257	-1.13326	6.7653	-2.307	0.023076	0.105051	-3.682
IFNL1	-0.17923	0.179231	1.132281	-1.13228	5.5196	-1.798	0.075132	0.207394	-4.651
CCL8	-0.17868	0.178682	1.13185	-1.13185	5.4235	-1.545	0.12541	0.283948	-5.049
GHR	-0.17846	0.178459	1.131675	-1.13167	6.7627	-1.521	0.131307	0.291109	-5.084
TACSTD2	-0.17805	0.178049	1.131353	-1.13135	6.4148	-2.935	0.004132	0.047357	-2.196
PDXP	-0.17581	0.175806	1.129595	-1.1296	8.9709	-0.747	0.456658	0.619672	-5.922
IL12B	-0.17579	0.175786	1.12958	-1.12958	5.646	-1.685	0.095117	0.238638	-4.837
CCL23_X2	-0.17204	0.172041	1.126651	-1.12665	6.7025	-0.882	0.380088	0.560208	-5.816
HINT1	-0.17129	0.171286	1.126062	-1.12606	5.955	-2.196	0.030384	0.124289	-3.913
SPINT2	-0.17092	0.170915	1.125772	-1.12577	5.8537	-1.193	0.23548	0.420659	-5.507
HMGCR	-0.17079	0.170794	1.125678	-1.12568	5.8214	-2.005	0.047664	0.157416	-4.284
FGF6	-0.16935	0.16935	1.124552	-1.12455	6.3671	-2.134	0.035235	0.132159	-4.036
WIF1	-0.16916	0.169161	1.124405	-1.1244	9.1657	-1.332	0.185749	0.36921	-5.34
BMX	-0.16777	0.167766	1.123317	-1.12332	6.6828	-2.346	0.020916	0.098896	-3.599
EPHB6	-0.16725	0.167246	1.122913	-1.12291	8.2482	-1.473	0.143737	0.311009	-5.152
SCT	-0.16705	0.16705	1.12276	-1.12276	5.2753	-1.605	0.111618	0.26474	-4.96
FGF16	-0.16638	0.166383	1.122241	-1.12224	8.2938	-0.893	0.373839	0.554617	-5.807
NTF3	-0.16546	0.165455	1.12152	-1.12152	5.596	-2.297	0.02369	0.106558	-3.704
ADAMTS1	-0.16324	0.163238	1.119798	-1.1198	6.0705	-2.142	0.03462	0.130807	-4.021
CLEC11A_	-0.16289	0.162894	1.119531	-1.11953	7.1629	-1.891	0.06151	0.181794	-4.491
UBE2L3	-0.16105	0.161053	1.118103	-1.1181	8.4467	-0.854	0.394917	0.575305	-5.839
CADM1	-0.15899	0.15899	1.116505	-1.11651	6.3025	-2.181	0.031478	0.126331	-3.942
EFNA4	-0.1586	0.158604	1.116206	-1.11621	8.0166	-0.905	0.367575	0.550734	-5.796
TEK	-0.15761	0.157614	1.115441	-1.11544	6.7755	-2.599	0.010741	0.068129	-3.029
CFH	-0.15732	0.157323	1.115216	-1.11522	16.64	-1.181	0.240377	0.425369	-5.521
IL17F	-0.1542	0.1542	1.112805	-1.1128	6.9919	-1.861	0.065586	0.186516	-4.543
NRP1	-0.15386	0.153857	1.11254	-1.11254	9.3815	-0.537	0.592217	0.733129	-6.052
BIRC5	-0.15354	0.153538	1.112294	-1.11229	6.8407	-1.703	0.091733	0.233785	-4.808
PDGFRB	-0.15349	0.153492	1.112258	-1.11226	6.8898	-2.079	0.040139	0.142954	-4.143
CD4	-0.15333	0.153332	1.112135	-1.11214	6.4341	-1.999	0.048245	0.158799	-4.294
PCSK7	-0.15325	0.153254	1.112075	-1.11207	7.5431	-1.587	0.115729	0.270263	-4.988
CGA_X2	-0.15211	0.152115	1.111197	-1.1112	8.1186	-1.351	0.179793	0.360544	-5.316
SKP1	-0.15109	0.151094	1.110411	-1.11041	9.1901	-1.484	0.141021	0.306767	-5.137
FGF4	-0.14664	0.14664	1.106988	-1.10699	5.6869	-1.754	0.082457	0.221849	-4.725
L1CAM	-0.14549	0.145495	1.10611	-1.10611	4.88	-1.083	0.281341	0.464377	-5.627
TGFB2	-0.14488	0.144884	1.105642	-1.10564	7.371	-0.533	0.595066	0.733521	-6.054
CDK2	-0.14462	0.144618	1.105438	-1.10544	6.6247	-1.653	0.101477	0.24906	-4.887
KLK7	-0.14393	0.143927	1.104909	-1.10491	10.825	-0.341	0.733894	0.840331	-6.135
CRLF1	-0.14388	0.143879	1.104872	-1.10487	6.4587	-1.687	0.094693	0.238636	-4.833
PRSS3	-0.1427	0.142699	1.103969	-1.10397	6.4122	-1.714	0.089537	0.231656	-4.789
EDA	-0.14232	0.142318	1.103677	-1.10368	7.9027	-1.137	0.258137	0.443587	-5.569
GRN	-0.14133	0.141335	1.102925	-1.10293	16.194	-1.154	0.25117	0.43761	-5.551
EPHA1	-0.14126	0.141258	1.102866	-1.10287	7.9572	-2.151	0.033837	0.129499	-4.002
PON1	-0.13982	0.13982	1.101768	-1.10177	5.4158	-1.276	0.204928	0.394818	-5.41
IL27RA	-0.13981	0.139813	1.101762	-1.10176	8.0279	-1.031	0.304972	0.493586	-5.679
IL17A	-0.1397	0.139702	1.101678	-1.10168	5.6867	-1.435	0.154309	0.325634	-5.204
LTA4H	-0.13957	0.139573	1.101579	-1.10158	8.0387	-0.526	0.599917	0.737806	-6.057
TNFSF8	-0.13887	0.138868	1.101041	-1.10104	8.0932	-1.912	0.058716	0.176773	-4.454

LCORL	-0.13825	0.138247	1.100567	-1.10057	5.5255	-1.277	0.204362	0.394401	-5.408
WNT7A	-0.13808	0.13808	1.100439	-1.10044	5.9597	-1.605	0.111522	0.26474	-4.96
ENTPD3	-0.13774	0.137735	1.100177	-1.10018	8.775	-1.472	0.144	0.311009	-5.153
SEZ6L2	-0.13721	0.137208	1.099775	-1.09978	7.8208	-0.801	0.425074	0.597645	-5.882
PRKCD	-0.13716	0.137163	1.09974	-1.09974	5.7239	-1.595	0.11394	0.268557	-4.976
ICAM5	-0.13647	0.136469	1.099212	-1.09921	7.6843	-0.289	0.772827	0.86474	-6.151
PDE11A	-0.13625	0.136246	1.099042	-1.09904	9.0528	-0.85	0.397173	0.576874	-5.843
C3_X3	-0.13599	0.135991	1.098847	-1.09885	16.071	-0.406	0.68548	0.806152	-6.111
IL7	-0.1345	0.134498	1.097711	-1.09771	5.3422	-1.139	0.257401	0.443587	-5.567
OLFM4	-0.1342	0.134198	1.097483	-1.09748	5.2171	-0.606	0.545884	0.694035	-6.014
ASAH2	-0.134	0.133999	1.097331	-1.09733	7.1927	-1.732	0.086365	0.227288	-4.761
AMH	-0.13303	0.133028	1.096593	-1.09659	13.295	-0.32	0.749589	0.849684	-6.142
TG	-0.13228	0.132283	1.096027	-1.09603	6.0664	-1.226	0.223063	0.413527	-5.469
IL17B	-0.13218	0.132183	1.095951	-1.09595	6.0739	-1.704	0.091407	0.233481	-4.806
TNFSF9	-0.13059	0.130589	1.09474	-1.09474	6.0581	-1.206	0.23046	0.41697	-5.492
IL4R	-0.13024	0.130239	1.094475	-1.09447	5.6465	-1.253	0.213102	0.402328	-5.437
PLA2G2E	-0.12978	0.129779	1.094126	-1.09413	5.8791	-1.324	0.188656	0.37367	-5.351
FST	-0.1263	0.126299	1.09149	-1.09149	6.5324	-2.164	0.032859	0.127483	-3.978
MST1R	-0.12521	0.125208	1.090665	-1.09067	7.3423	-1.263	0.209426	0.400072	-5.425
CCL21	-0.12452	0.124522	1.090146	-1.09015	8.9505	-0.208	0.83584	0.904086	-6.17
HSP90AA1	-0.12427	0.124269	1.089955	-1.08996	17.169	-0.508	0.612667	0.747785	-6.067
EMR2	-0.12398	0.123985	1.08974	-1.08974	5.3921	-1.138	0.257763	0.443587	-5.568
FASLG	-0.12219	0.122191	1.088387	-1.08839	7.1425	-1.733	0.08622	0.227288	-4.76
GCG	-0.12108	0.121079	1.087548	-1.08755	6.7253	-1.544	0.125752	0.283948	-5.051
IL5RA	-0.12026	0.120259	1.08693	-1.08693	6.9367	-1.174	0.24316	0.428949	-5.529
ACE2	-0.11993	0.119934	1.086685	-1.08669	5.9872	-1.312	0.192331	0.378296	-5.365
FGF18	-0.11965	0.119648	1.08647	-1.08647	6.1734	-0.887	0.377137	0.557103	-5.812
MSLN	-0.11956	0.11956	1.086403	-1.0864	7.3442	-0.563	0.574772	0.717892	-6.038
MFGE8	-0.11933	0.119329	1.08623	-1.08623	10.422	-0.393	0.69536	0.814379	-6.117
CKB	-0.11903	0.119031	1.086005	-1.08601	7.5498	-0.637	0.525525	0.676605	-5.995
TK1	-0.118	0.117997	1.085227	-1.08523	8.0651	-0.855	0.394343	0.575211	-5.838
IL10	-0.11777	0.117766	1.085054	-1.08505	6.5972	-1.292	0.19914	0.38697	-5.389
CLEC4M	-0.11751	0.117513	1.084863	-1.08486	15.746	-1.051	0.29582	0.482232	-5.66
WFIKKN1	-0.11671	0.11671	1.084259	-1.08426	5.2921	-0.973	0.332998	0.518558	-5.735
WFIKKN2	-0.11659	0.116595	1.084173	-1.08417	6.2439	-1.757	0.082034	0.221849	-4.721
TBK1	-0.11647	0.11647	1.084079	-1.08408	6.6604	-2.083	0.039752	0.142478	-4.136
RPS27A_X	-0.11646	0.116458	1.08407	-1.08407	15.834	-0.963	0.338068	0.524283	-5.745
EPHA2	-0.11636	0.116362	1.083998	-1.084	9.4396	-0.48	0.632001	0.763883	-6.08
FGF17	-0.11481	0.114815	1.082836	-1.08284	5.1068	-1.013	0.313592	0.503566	-5.697
CLEC11A	-0.11431	0.114309	1.082456	-1.08246	7.0571	-1.314	0.191758	0.377826	-5.362
UNC5D	-0.11403	0.11403	1.082247	-1.08225	5.2514	-1.087	0.27975	0.463203	-5.623
ADAMTS5	-0.11352	0.11352	1.081865	-1.08186	5.7793	-0.977	0.33076	0.515784	-5.731
FGF9	-0.11285	0.112854	1.081365	-1.08137	5.9962	-1.289	0.200427	0.388135	-5.394
LSAMP	-0.11215	0.112153	1.08084	-1.08084	7.4934	-0.604	0.547216	0.694165	-6.015
PTK6	-0.11104	0.111037	1.080005	-1.08	5.9965	-0.851	0.396845	0.576874	-5.842
LY9	-0.11039	0.11039	1.07952	-1.07952	6.5678	-0.647	0.519274	0.67268	-5.989
MRC2	-0.11006	0.110059	1.079273	-1.07927	11.07	-0.735	0.46431	0.626291	-5.931
LTA_X3	-0.10803	0.108028	1.077754	-1.07775	8.6739	-1.253	0.212949	0.402328	-5.437
ARG1	-0.10783	0.107826	1.077603	-1.0776	7.5584	-1.091	0.277676	0.462733	-5.618
CCL22	-0.10744	0.107439	1.077314	-1.07731	6.0766	-0.471	0.638522	0.768541	-6.084
AKR1A1	-0.10699	0.106994	1.076982	-1.07698	15.927	-0.366	0.715193	0.824283	-6.127
PLG_X1	-0.10603	0.106029	1.076262	-1.07626	6.9608	-1.305	0.194936	0.380767	-5.374
LGALS4	-0.106	0.106004	1.076243	-1.07624	7.7864	-2.152	0.033786	0.129499	-4.001
DHH	-0.10529	0.105289	1.07571	-1.07571	7.4195	-0.901	0.36981	0.550813	-5.8
FAP	-0.10285	0.102854	1.073895	-1.0739	7.3068	-0.62	0.536488	0.685952	-6.005
FGF7	-0.10279	0.10279	1.073848	-1.07385	7.3899	-0.826	0.41059	0.58678	-5.862
BCL2	-0.10234	0.102344	1.073516	-1.07352	8.1103	-1.559	0.122074	0.280125	-5.029
CDK8	-0.10201	0.102008	1.073266	-1.07327	8.6215	-1.12	0.265323	0.449774	-5.588
CGA_X4	-0.10129	0.101291	1.072733	-1.07273	4.9354	-1.198	0.23377	0.419596	-5.502

NGF	-0.1008	0.100798	1.072366	-1.07237	5.6566	-1.214	0.227457	0.416205	-5.483
TMPRSS1	-0.1007	0.100701	1.072294	-1.07229	5.688	-1.127	0.262594	0.447439	-5.581
RGMA	-0.10065	0.100646	1.072253	-1.07225	8.3141	-1.21	0.229084	0.416554	-5.488
IL20	-0.09982	0.099818	1.071638	-1.07164	6.9523	-1.223	0.224157	0.414874	-5.473
NTF4	-0.09934	0.09934	1.071283	-1.07128	5.6557	-0.986	0.326719	0.515729	-5.723
CSF2	-0.09904	0.099039	1.07106	-1.07106	9.3102	-0.366	0.715365	0.824283	-6.127
PIK3CG	-0.09878	0.098785	1.070871	-1.07087	9.509	-1.112	0.268792	0.453612	-5.596
C1R	-0.09694	0.096942	1.069504	-1.0695	7.1878	-0.271	0.786692	0.87076	-6.156
PIK3CA	-0.09694	0.09694	1.069502	-1.0695	8.0781	-0.428	0.669583	0.793242	-6.103
ASGR1	-0.0954	0.095399	1.068361	-1.06836	5.544	-1.06	0.29162	0.479242	-5.65
NCR2	-0.09391	0.093912	1.06726	-1.06726	4.9377	-0.982	0.328333	0.515784	-5.726
NOTCH2	-0.09247	0.092471	1.066195	-1.06619	5.8903	-1.051	0.29585	0.482232	-5.66
AURKA	-0.09216	0.092165	1.065969	-1.06597	8.3621	-0.87	0.386491	0.566303	-5.826
EPHA3	-0.09213	0.092135	1.065946	-1.06595	5.0402	-0.739	0.461714	0.624282	-5.928
CKAP2	-0.09127	0.091269	1.065307	-1.06531	14.169	-0.594	0.554102	0.698974	-6.021
BIRC7	-0.08914	0.089141	1.063736	-1.06374	4.7526	-0.768	0.444485	0.614805	-5.907
CXCL16	-0.08891	0.088906	1.063563	-1.06356	8.5007	-1.171	0.244172	0.429393	-5.531
PCNA	-0.08873	0.088733	1.063436	-1.06344	5.1608	-0.838	0.403851	0.582335	-5.852
BMP1	-0.08799	0.087988	1.062887	-1.06289	5.6284	-0.926	0.356518	0.541735	-5.778
CCL3L1	-0.08759	0.087591	1.062595	-1.06259	8.547	-1.132	0.260175	0.445732	-5.575
GZMA	-0.08691	0.086909	1.062093	-1.06209	7.1806	-0.375	0.70881	0.822452	-6.123
CAMKK1	-0.08633	0.086326	1.061663	-1.06166	12.176	-0.607	0.545317	0.694035	-6.013
TNFSF4	-0.08529	0.085292	1.060902	-1.0609	6.5612	-1.044	0.298831	0.486138	-5.666
PES1	-0.08481	0.08481	1.060548	-1.06055	6.4855	-1.028	0.306445	0.494252	-5.682
FGFR2	-0.08204	0.082041	1.058514	-1.05851	5.8178	-1.08	0.282603	0.465778	-5.63
IL12RB1	-0.08198	0.081984	1.058473	-1.05847	6.356	-0.951	0.343635	0.530006	-5.755
CD55	-0.08195	0.081953	1.05845	-1.05845	14.739	-0.513	0.609242	0.744409	-6.064
ENG	-0.0818	0.081796	1.058335	-1.05833	4.7504	-0.654	0.514418	0.670111	-5.984
SOD2	-0.08169	0.081691	1.058258	-1.05826	14.439	-0.712	0.478039	0.636446	-5.946
LRIG3	-0.08165	0.081648	1.058226	-1.05823	5.8824	-0.817	0.415933	0.589935	-5.869
APP	-0.08035	0.080346	1.057271	-1.05727	8.4268	-0.113	0.909911	0.948457	-6.185
GPT	-0.07925	0.07925	1.056468	-1.05647	13.883	-0.388	0.699049	0.815592	-6.119
ACAN	-0.07917	0.079171	1.056411	-1.05641	6.3152	-1.015	0.312509	0.502597	-5.695
ERBB4	-0.07865	0.078648	1.056028	-1.05603	4.7061	-0.671	0.503995	0.660871	-5.974
INS	-0.07859	0.078589	1.055984	-1.05598	4.519	-0.713	0.477422	0.636446	-5.946
IFNL2	-0.07848	0.078477	1.055902	-1.0559	5.6769	-0.752	0.453896	0.618286	-5.918
XCL1	-0.07695	0.076949	1.054785	-1.05479	6.2016	-0.894	0.37348	0.554617	-5.806
IL17RD	-0.07527	0.075271	1.053559	-1.05356	6.1559	-0.946	0.346496	0.533689	-5.76
JAM2	-0.07507	0.075068	1.053411	-1.05341	8.7589	-0.919	0.360203	0.543668	-5.784
HNRNPK	-0.07409	0.074087	1.052694	-1.05269	6.1392	-0.828	0.409573	0.586068	-5.86
MEPE	-0.07141	0.071412	1.050745	-1.05074	5.8141	-0.752	0.453994	0.618286	-5.919
ADAMTS4	-0.07094	0.070939	1.0504	-1.0504	6.4041	-0.922	0.358632	0.542755	-5.781
ANXA1	-0.06994	0.069941	1.049673	-1.04967	17.489	-0.453	0.651511	0.778534	-6.092
GPC2	-0.06969	0.069687	1.049489	-1.04949	5.9563	-0.737	0.462778	0.624971	-5.929
RAC1	-0.06961	0.069606	1.04943	-1.04943	15.608	-0.456	0.649492	0.778426	-6.091
CA7	-0.06911	0.069113	1.049071	-1.04907	5.4238	-0.524	0.601561	0.738209	-6.059
CBX5	-0.06806	0.068056	1.048303	-1.0483	6.7148	-0.832	0.407154	0.58483	-5.857
IDS	-0.06664	0.066644	1.047278	-1.04728	11.236	-0.177	0.859703	0.916009	-6.176
TNFSF18	-0.06583	0.06583	1.046687	-1.04669	6.5104	-0.846	0.399678	0.578508	-5.846
CRTAM	-0.06464	0.064644	1.045827	-1.04583	6.4566	-0.88	0.381115	0.560752	-5.818
RET	-0.06404	0.064045	1.045392	-1.04539	7.8198	-0.836	0.40526	0.582852	-5.854
ZAP70	-0.06391	0.063914	1.045297	-1.0453	10.433	-0.626	0.53261	0.683315	-6.002
NOG	-0.06391	0.06391	1.045295	-1.04529	7.0381	-0.435	0.664351	0.78787	-6.1
EDAR	-0.06333	0.063326	1.044872	-1.04487	6.6576	-0.758	0.450293	0.61622	-5.914
Protein E7	-0.06129	0.061292	1.043399	-1.0434	8.5704	-0.757	0.450896	0.616297	-5.915
LRRTM3	-0.0606	0.0606	1.042899	-1.0429	4.6735	-0.524	0.601538	0.738209	-6.059
DPT	-0.05972	0.059716	1.042261	-1.04226	5.9837	-0.398	0.691778	0.811025	-6.115
IL1RL1	-0.05931	0.059307	1.041965	-1.04197	4.9299	-0.368	0.713296	0.824283	-6.126
LRRTM1	-0.05929	0.059294	1.041956	-1.04196	4.5504	-0.534	0.594839	0.733521	-6.054

HFE2	-0.05918	0.059179	1.041872	-1.04187	6.9766	-0.218	0.827738	0.900305	-6.168
PA2G4	-0.05826	0.058258	1.041208	-1.04121	12.489	-0.205	0.838268	0.904086	-6.171
C3	-0.05775	0.057749	1.040841	-1.04084	14.761	-0.265	0.791711	0.8746	-6.157
GFRA1	-0.05703	0.057033	1.040324	-1.04032	6.2363	-0.563	0.574823	0.717892	-6.038
FCN3	-0.05615	0.056145	1.039684	-1.03968	5.8757	-0.52	0.604488	0.7394	-6.061
AURKB	-0.05384	0.053839	1.038024	-1.03802	7.6013	-0.69	0.491835	0.650213	-5.961
PSME3	-0.05299	0.052987	1.03741	-1.03741	6.0433	-0.615	0.53985	0.68869	-6.008
MAPK11	-0.05298	0.05298	1.037405	-1.03741	6.2133	-0.674	0.501701	0.659396	-5.972
WISP1	-0.05242	0.052419	1.037003	-1.037	12.962	-0.332	0.74041	0.842665	-6.138
SIGLEC6	-0.05146	0.051458	1.036311	-1.03631	4.7108	-0.479	0.632622	0.763883	-6.08
LCK	-0.04979	0.049787	1.035112	-1.03511	6.7367	-0.694	0.489394	0.647745	-5.959
CRLF2	-0.04976	0.049758	1.035092	-1.03509	8.5548	-0.74	0.461142	0.624255	-5.927
NANOG	-0.04876	0.048763	1.034378	-1.03438	5.6659	-0.481	0.63122	0.763824	-6.079
RPS6KA5	-0.04875	0.048754	1.034371	-1.03437	6.0117	-0.293	0.769953	0.864092	-6.15
ALB	-0.04775	0.047754	1.033655	-1.03365	17.395	-0.244	0.807941	0.883881	-6.163
ANXA2	-0.04686	0.046856	1.033012	-1.03301	15.884	-0.29	0.772552	0.86474	-6.151
HNRNPAB	-0.04675	0.046746	1.032933	-1.03293	15.566	-0.215	0.830288	0.902209	-6.169
CTSE	-0.04619	0.046191	1.032535	-1.03254	5.6749	-0.471	0.638426	0.768541	-6.084
CRK	-0.04591	0.045909	1.032334	-1.03233	12.14	-0.207	0.836133	0.904086	-6.17
EFNB3	-0.04409	0.044086	1.03103	-1.03103	8.0176	-0.371	0.711737	0.824283	-6.125
IMPDH2	-0.0427	0.042701	1.03004	-1.03004	11.971	-0.284	0.777337	0.865824	-6.152
FGFR1	-0.04263	0.042634	1.029993	-1.02999	8.2511	-0.283	0.778082	0.865824	-6.153
HDAC8	-0.04075	0.040754	1.028651	-1.02865	9.33	-0.539	0.591399	0.732919	-6.051
BMPR2	-0.04045	0.040454	1.028438	-1.02844	6.6223	-0.469	0.640413	0.769996	-6.085
ANGPT2	-0.03877	0.038768	1.027236	-1.02724	4.9704	-0.369	0.713046	0.824283	-6.125
AGRP	-0.03855	0.038553	1.027083	-1.02708	6.2427	-0.302	0.763646	0.859578	-6.147
PCSK9	-0.03611	0.036106	1.025342	-1.02534	8.6235	-0.081	0.935378	0.965819	-6.188
FCN2	-0.0359	0.035904	1.025199	-1.0252	7.5465	-0.336	0.737193	0.8424	-6.137
PRKCG	-0.03449	0.034486	1.024192	-1.02419	4.8374	-0.345	0.730623	0.83895	-6.134
FGF23	-0.03432	0.034315	1.024071	-1.02407	6.2322	-0.452	0.652102	0.778534	-6.092
NPPB	-0.03356	0.033557	1.023532	-1.02353	6.0384	-0.4	0.689921	0.810531	-6.114
IL13	-0.03356	0.033557	1.023532	-1.02353	7.5562	-0.39	0.697273	0.815265	-6.118
CCL11	-0.03172	0.031723	1.022233	-1.02223	6.1807	-0.242	0.809478	0.884411	-6.163
CNTN2	-0.03163	0.03163	1.022166	-1.02217	6.3394	-0.366	0.715243	0.824283	-6.127
VEGFC	-0.03136	0.031359	1.021974	-1.02197	7.7752	-0.318	0.750903	0.85032	-6.142
SERPINA6	-0.03127	0.031271	1.021912	-1.02191	7.1999	-0.335	0.738509	0.842648	-6.137
MMP9	-0.03122	0.031221	1.021877	-1.02188	17.333	-0.187	0.851679	0.913658	-6.174
CD40LG	-0.03087	0.030874	1.021631	-1.02163	5.2697	-0.273	0.785776	0.8706	-6.155
TGFB3	-0.03038	0.030377	1.021279	-1.02128	7.4485	-0.149	0.882119	0.934252	-6.181
IL17RB	-0.02999	0.029993	1.021007	-1.02101	6.8461	-0.244	0.807395	0.883881	-6.162
PGK1	-0.02764	0.02764	1.019343	-1.01934	11.48	-0.186	0.852699	0.913658	-6.175
RPSA	-0.02723	0.027235	1.019057	-1.01906	9.679	-0.139	0.889394	0.939313	-6.182
IL1RL2	-0.02663	0.026632	1.018631	-1.01863	7.1741	-0.276	0.783318	0.868729	-6.155
NRXN1	-0.02647	0.026473	1.018519	-1.01852	6.2421	-0.366	0.715498	0.824283	-6.127
SHBG	-0.02434	0.024337	1.017012	-1.01701	10.564	-0.051	0.959035	0.977944	-6.19
CGA	-0.02427	0.024271	1.016966	-1.01697	6.1125	-0.299	0.765664	0.860991	-6.148
KYNU	-0.02357	0.023573	1.016474	-1.01647	8.9191	-0.05	0.960362	0.977944	-6.19
PRSS1	-0.02326	0.02326	1.016253	-1.01625	9.2404	-0.055	0.956376	0.977944	-6.19
CXCL12	-0.02174	0.021743	1.015185	-1.01519	5.8392	-0.236	0.813856	0.887771	-6.164
CLIC1	-0.02088	0.020876	1.014576	-1.01458	14.538	-0.13	0.896587	0.942573	-6.183
EPO	-0.02006	0.020055	1.013998	-1.014	6.0319	-0.209	0.835155	0.904086	-6.17
CDC2	-0.01954	0.019538	1.013635	-1.01364	6.567	-0.296	0.767683	0.862402	-6.149
CHST6	-0.019	0.019001	1.013258	-1.01326	6.0936	-0.185	0.853773	0.913658	-6.175
STAB2	-0.0174	0.017397	1.012132	-1.01213	8.1552	-0.262	0.793835	0.87609	-6.158
PDGFB	-0.01721	0.017215	1.012004	-1.012	5.9409	-0.171	0.864783	0.91934	-6.177
IL27	-0.01648	0.016481	1.011489	-1.01149	7.8075	-0.306	0.760582	0.856983	-6.146
CSF3R	-0.01471	0.014709	1.010247	-1.01025	7.3751	-0.173	0.862782	0.918078	-6.177
CCL5	-0.0147	0.014701	1.010242	-1.01024	7.3303	-0.178	0.859336	0.916009	-6.176
ADAM12	-0.01427	0.014267	1.009938	-1.00994	6.8791	-0.196	0.84473	0.907421	-6.173

PRDX5	-0.01354	0.013535	1.009426	-1.00943	9.5165	-0.044	0.964815	0.980447	-6.19
BMPER	-0.01335	0.013347	1.009294	-1.00929	6.2354	-0.165	0.869272	0.922376	-6.178
ICAM2	-0.01284	0.01284	1.00894	-1.00894	7.1718	-0.185	0.853693	0.913658	-6.175
CCL20	-0.01266	0.012656	1.008811	-1.00881	5.4569	-0.1	0.920645	0.957098	-6.186
FRZB	-0.01189	0.011894	1.008278	-1.00828	9.62	-0.068	0.946278	0.973881	-6.189
CD33	-0.01127	0.01127	1.007842	-1.00784	5.4823	-0.063	0.950048	0.975094	-6.189
TGFB1	-0.01058	0.010581	1.007361	-1.00736	8.8592	-0.122	0.902834	0.945547	-6.184
VCAM1	-0.01016	0.010163	1.00707	-1.00707	8.9105	-0.101	0.920008	0.957098	-6.186
KIR3DL2	-0.01015	0.01015	1.00706	-1.00706	5.7699	-0.114	0.909438	0.948457	-6.185
IL15RA	-0.00979	0.009788	1.006808	-1.00681	7.6873	-0.112	0.910653	0.948457	-6.185
CFL1	-0.00945	0.009449	1.006571	-1.00657	14.695	-0.032	0.974141	0.986373	-6.191
HIBADH	-0.00919	0.009191	1.006391	-1.00639	7.0042	-0.127	0.899125	0.942573	-6.183
PROK1	-0.00896	0.008962	1.006231	-1.00623	6.1493	-0.091	0.927598	0.961669	-6.187
PTK2	-0.00863	0.00863	1.006	-1.006	5.3662	-0.064	0.94927	0.975094	-6.189
PRKCI	-0.00746	0.007455	1.005181	-1.00518	9.8636	-0.014	0.988993	0.991217	-6.191
RAN	-0.00745	0.007453	1.00518	-1.00518	12.357	-0.028	0.978036	0.987659	-6.191
KREMEN2	-0.00738	0.007383	1.005131	-1.00513	9.193	-0.077	0.938522	0.96678	-6.188
CLEC1B	-0.00647	0.006475	1.004498	-1.0045	5.6505	-0.056	0.955095	0.977944	-6.19
C2	-0.00632	0.006323	1.004393	-1.00439	12.318	-0.025	0.980298	0.989002	-6.191
KIR3DS1	-0.00546	0.005463	1.003794	-1.00379	6.3611	-0.053	0.95779	0.977944	-6.19
NTRK1	-0.00544	0.005436	1.003775	-1.00378	8.1944	-0.087	0.931015	0.964326	-6.188
CTLA4	-0.00509	0.005089	1.003534	-1.00353	4.9327	-0.028	0.977609	0.987659	-6.191
DDR2	-0.0049	0.004903	1.003404	-1.0034	9.8626	-0.052	0.958927	0.977944	-6.19
GPR114	-0.00333	0.003334	1.002314	-1.00231	7.7171	-0.056	0.955793	0.977944	-6.19
PSMA6	-0.00325	0.003248	1.002254	-1.00225	7.2819	-0.015	0.988049	0.991217	-6.191
TNFRSF12	-0.0023	0.002304	1.001598	-1.0016	7.5521	-0.013	0.989761	0.991217	-6.191
CNTFR	-0.00225	0.00225	1.001561	-1.00156	5.9887	-0.024	0.981118	0.989002	-6.191
CCL7	-0.00201	0.00201	1.001394	-1.00139	5.7155	-0.015	0.987826	0.991217	-6.191
DMP1	-0.00183	0.001827	1.001267	-1.00127	6.7488	-0.02	0.983734	0.989062	-6.191
PECAM1	0.000541	0.000541	1.000375	1.000375	7.8314	0.0084	0.993306	0.993306	-6.191
BGN	0.000931	0.000931	1.000646	1.000646	6.845	0.0121	0.990339	0.991217	-6.191
NBL1	0.00268	0.00268	1.001859	1.001859	6.7279	0.0368	0.970731	0.984685	-6.191
EIF4EBP2	0.002916	0.002916	1.002023	1.002023	5.5955	0.0294	0.976612	0.987659	-6.191
GOT1	0.004071	0.004071	1.002826	1.002826	11.682	0.0203	0.983806	0.989062	-6.191
ARTN	0.004094	0.004094	1.002842	1.002842	6.9594	0.0629	0.949948	0.975094	-6.189
FER	0.005861	0.005861	1.004071	1.004071	5.8983	0.0205	0.983662	0.989062	-6.191
KIRREL3	0.007647	0.007647	1.005315	1.005315	5.3939	0.0841	0.93314	0.965017	-6.188
LAMA1	0.008376	0.008376	1.005823	1.005823	7.0667	0.0533	0.957621	0.977944	-6.19
RB1	0.008549	0.008549	1.005944	1.005944	8.4457	0.0911	0.927582	0.961669	-6.187
FAM107A	0.008599	0.008599	1.005978	1.005978	6.9374	0.0495	0.96062	0.977944	-6.19
SEMA3A	0.008666	0.008666	1.006025	1.006025	6.6059	0.0838	0.933391	0.965017	-6.188
POMC_X2	0.00868	0.00868	1.006034	1.006034	6.3018	0.0937	0.925558	0.96132	-6.187
MAP2K1	0.009633	0.009633	1.006699	1.006699	7.5219	0.0337	0.973217	0.986321	-6.191
JAG2	0.009678	0.009678	1.006731	1.006731	6.374	0.1187	0.905749	0.947721	-6.184
EFNA5	0.011527	0.011527	1.008022	1.008022	9.2208	0.0444	0.964696	0.980447	-6.19
ACVR1B	0.013039	0.013039	1.009079	1.009079	6.6751	0.0807	0.935878	0.965819	-6.188
Protein E7	0.014183	0.014183	1.009879	1.009879	4.9559	0.1287	0.897868	0.942573	-6.183
CCL2	0.014411	0.014411	1.010039	1.010039	5.8084	0.1176	0.906653	0.947788	-6.185
ANGPTL3	0.014991	0.014991	1.010445	1.010445	6.9288	0.2411	0.809992	0.884411	-6.163
FCER2	0.015416	0.015416	1.010743	1.010743	9.7879	0.042	0.966587	0.981364	-6.19
DSC3	0.01613	0.01613	1.011243	1.011243	5.434	0.1458	0.884369	0.935756	-6.181
COL8A1	0.016544	0.016544	1.011534	1.011534	6.2195	0.0774	0.938457	0.96678	-6.188
CCL19	0.01665	0.01665	1.011608	1.011608	5.5119	0.1373	0.89107	0.940204	-6.182
C5_X3	0.01666	0.01666	1.011615	1.011615	6.5805	0.1339	0.893784	0.941308	-6.183
CCL17	0.01829	0.01829	1.012758	1.012758	6.5328	0.1791	0.858233	0.916009	-6.176
GZMH	0.018638	0.018638	1.013003	1.013003	6.3644	0.2037	0.839002	0.904086	-6.171
DLL4	0.01929	0.01929	1.013461	1.013461	6.6639	0.2551	0.799158	0.880244	-6.16
NRCAM	0.019998	0.019998	1.013958	1.013958	7.5715	0.2837	0.777258	0.865824	-6.152
GDI2	0.020157	0.020157	1.01407	1.01407	17.333	0.1342	0.893504	0.941308	-6.183

TPSG1	0.020789	0.020789	1.014514	1.014514	6.0725	0.1768	0.860026	0.916009	-6.176
BSG	0.02085	0.02085	1.014557	1.014557	11.37	0.1505	0.880667	0.93359	-6.18
LAYN	0.021001	0.021001	1.014663	1.014663	8.2465	0.1685	0.866538	0.92034	-6.178
KRAS	0.023102	0.023102	1.016142	1.016142	6.2557	0.2566	0.798018	0.879846	-6.159
CXCL5	0.0235	0.0235	1.016422	1.016422	7.3666	0.3767	0.707195	0.821423	-6.123
CD109	0.024538	0.024538	1.017154	1.017154	7.412	0.2043	0.838552	0.904086	-6.171
MDM2	0.024743	0.024743	1.017299	1.017299	6.202	0.2902	0.772278	0.86474	-6.151
BIRC3	0.025911	0.025911	1.018122	1.018122	5.579	0.2463	0.805954	0.883881	-6.162
EPOR	0.026486	0.026486	1.018529	1.018529	5.6552	0.3136	0.754495	0.852677	-6.144
GSTP1	0.027045	0.027045	1.018923	1.018923	14.696	0.2008	0.841274	0.90457	-6.172
GDF11	0.027243	0.027243	1.019063	1.019063	7.56	0.3624	0.71784	0.826139	-6.128
IL22	0.028509	0.028509	1.019957	1.019957	7.6509	0.1288	0.897811	0.942573	-6.183
IL24	0.028601	0.028601	1.020022	1.020022	6.3229	0.3851	0.700968	0.815869	-6.12
EPHB2	0.029101	0.029101	1.020376	1.020376	7.1679	0.2012	0.840957	0.90457	-6.172
IL22RA2	0.029418	0.029418	1.020601	1.020601	5.6038	0.2446	0.807297	0.883881	-6.162
ACVRL1	0.030095	0.030095	1.021079	1.021079	8.4751	0.4877	0.62682	0.760129	-6.076
ULBP2	0.030344	0.030344	1.021256	1.021256	5.9667	0.3143	0.753974	0.852677	-6.144
GFRA3	0.030531	0.030531	1.021388	1.021388	8.073	0.5002	0.618038	0.753421	-6.07
IFNGR1	0.030799	0.030799	1.021578	1.021578	6.3683	0.4231	0.673114	0.795755	-6.105
TNFRSF8	0.03131	0.03131	1.02194	1.02194	8.9566	0.3122	0.75554	0.853005	-6.144
LCMT1	0.032042	0.032042	1.022458	1.022458	9.8897	0.2796	0.780375	0.867169	-6.153
TNFRSF13	0.03225	0.03225	1.022606	1.022606	6.6504	0.4109	0.68202	0.803759	-6.11
DCN	0.033579	0.033579	1.023548	1.023548	7.3156	0.2766	0.782633	0.868729	-6.154
MATN3	0.03418	0.03418	1.023975	1.023975	5.851	0.283	0.777742	0.865824	-6.153
CXCL13	0.040071	0.040071	1.028165	1.028165	6.5604	0.2107	0.833542	0.904086	-6.17
FGFR3	0.041027	0.041027	1.028846	1.028846	7.5481	0.4538	0.650933	0.778534	-6.092
HGF	0.041449	0.041449	1.029147	1.029147	7.153	0.3342	0.738903	0.842648	-6.137
FYN	0.041656	0.041656	1.029294	1.029294	8.0037	0.2216	0.825062	0.89826	-6.168
CHL1	0.042267	0.042267	1.029731	1.029731	10.009	0.2485	0.804243	0.883259	-6.161
KLK8	0.043223	0.043223	1.030413	1.030413	7.7895	0.5976	0.551436	0.698514	-6.019
NTRK3	0.044408	0.044408	1.03126	1.03126	6.6354	0.4955	0.621338	0.755103	-6.073
BCAR3	0.045678	0.045678	1.032168	1.032168	8.9759	0.4517	0.652423	0.778534	-6.093
HDGFRP2	0.04672	0.04672	1.032914	1.032914	7.5522	0.2823	0.778282	0.865824	-6.153
P4HB	0.047509	0.047509	1.033479	1.033479	4.8375	0.4993	0.61862	0.753421	-6.071
BRF1	0.048353	0.048353	1.034083	1.034083	8.3505	0.5442	0.587516	0.729709	-6.048
AKR7A2	0.049396	0.049396	1.034831	1.034831	11.173	0.1439	0.885851	0.936448	-6.181
RPS6KA3	0.049446	0.049446	1.034868	1.034868	8.9254	0.114	0.909461	0.948457	-6.185
PDGFA	0.050608	0.050608	1.035702	1.035702	6.7435	0.6672	0.506136	0.661375	-5.976
MED1	0.051399	0.051399	1.036269	1.036269	6.6464	0.8294	0.408857	0.586068	-5.859
IL11	0.052718	0.052718	1.037217	1.037217	5.6757	0.6524	0.515619	0.670595	-5.986
ROBO3	0.053016	0.053016	1.037432	1.037432	6.1542	0.5957	0.552685	0.698514	-6.02
CHRDL1	0.053181	0.053181	1.03755	1.03755	7.4288	0.5877	0.558037	0.700806	-6.024
IDE	0.053838	0.053838	1.038023	1.038023	9.1793	0.5429	0.588407	0.730012	-6.049
LRP8	0.054991	0.054991	1.038852	1.038852	7.1621	0.7592	0.449506	0.616047	-5.913
FLRT1	0.055744	0.055744	1.039395	1.039395	7.3095	0.4978	0.61971	0.753936	-6.071
ICAM3	0.055912	0.055912	1.039516	1.039516	8.4967	0.5563	0.57921	0.720185	-6.042
RELT	0.056862	0.056862	1.0402	1.0402	5.1038	0.637	0.525583	0.676605	-5.995
AMICA1	0.057403	0.057403	1.040591	1.040591	6.9387	1.0866	0.279809	0.463203	-5.623
STK16	0.057463	0.057463	1.040634	1.040634	9.301	0.5768	0.565366	0.709221	-6.03
ICOS	0.059177	0.059177	1.041871	1.041871	7.3835	0.6309	0.529519	0.680121	-5.999
SLAMF6	0.059491	0.059491	1.042098	1.042098	6.0246	0.698	0.486798	0.645823	-5.956
TNFRSF11	0.059939	0.059939	1.042422	1.042422	7.6516	0.7633	0.447081	0.614805	-5.91
CHST2	0.061839	0.061839	1.043796	1.043796	6.2764	0.6251	0.533284	0.683403	-6.002
EPHA5	0.061981	0.061981	1.043898	1.043898	6.4404	0.9552	0.341776	0.528582	-5.752
MATN2	0.062529	0.062529	1.044294	1.044294	11.935	0.2066	0.836715	0.904086	-6.171
PYY	0.063821	0.063821	1.04523	1.04523	4.7671	0.4886	0.626158	0.760129	-6.076
TNFRSF4	0.063852	0.063852	1.045253	1.045253	6.3789	0.9785	0.330151	0.515784	-5.73
CYP3A4	0.065316	0.065316	1.046314	1.046314	12.779	0.4395	0.661264	0.785033	-6.098
CDH2	0.065504	0.065504	1.046451	1.046451	7.7996	0.5598	0.576839	0.71882	-6.04

MBL2	0.066025	0.066025	1.046828	1.046828	8.4467	0.729	0.467684	0.628589	-5.935
ESR1	0.066538	0.066538	1.047201	1.047201	7.0581	0.7279	0.468331	0.628711	-5.935
CX3CL1	0.066682	0.066682	1.047305	1.047305	8.5094	0.3085	0.758327	0.855295	-6.145
DYNLL1	0.067177	0.067177	1.047665	1.047665	6.7249	0.5915	0.555522	0.699523	-6.022
CDH1	0.067631	0.067631	1.047995	1.047995	13.863	0.2034	0.839223	0.904086	-6.171
KIR2DL4	0.067785	0.067785	1.048106	1.048106	7.3229	0.265	0.791529	0.8746	-6.157
PDE2A	0.068022	0.068022	1.048278	1.048278	11.273	0.5896	0.556744	0.69996	-6.023
CCL27	0.071171	0.071171	1.050569	1.050569	6.7219	0.8711	0.385777	0.566303	-5.825
TNFRSF19	0.071393	0.071393	1.050731	1.050731	10.034	0.2257	0.821886	0.895666	-6.167
CDNF	0.072119	0.072119	1.05126	1.05126	7.0096	0.3325	0.740225	0.842665	-6.138
GP1BA	0.072302	0.072302	1.051393	1.051393	6.5205	0.8179	0.415314	0.589798	-5.868
APOD	0.07409	0.07409	1.052696	1.052696	10.889	0.9438	0.347516	0.533803	-5.762
PRLR	0.074381	0.074381	1.052909	1.052909	8.775	0.8233	0.412295	0.588097	-5.864
TNFSF13E	0.074896	0.074896	1.053285	1.053285	7.1212	0.6652	0.507469	0.662349	-5.978
MBD4	0.074943	0.074943	1.053319	1.053319	6.9526	0.9224	0.35851	0.542755	-5.781
IL7R	0.075014	0.075014	1.053372	1.053372	6.037	0.9361	0.351468	0.536226	-5.769
TNFRSF18	0.07528	0.07528	1.053565	1.053565	7.2107	1.1994	0.233174	0.419193	-5.5
TNFRSF6E	0.075586	0.075586	1.053789	1.053789	6.1524	0.821	0.413568	0.588097	-5.866
ADAMTS1	0.076565	0.076565	1.054504	1.054504	5.8664	0.7494	0.45533	0.618614	-5.92
CD48	0.076925	0.076925	1.054767	1.054767	6.9657	1.0977	0.274956	0.460696	-5.611
UFM1	0.078251	0.078251	1.055737	1.055737	11.429	0.3874	0.699286	0.815592	-6.119
OPCML	0.080539	0.080539	1.057413	1.057413	9.8964	0.9681	0.335314	0.520728	-5.74
CHEK1	0.081329	0.081329	1.057992	1.057992	7.0194	1.0119	0.314004	0.503566	-5.698
PRKAA1	0.083142	0.083142	1.059323	1.059323	6.4793	1.1529	0.25169	0.43784	-5.552
GPC5	0.083185	0.083185	1.059354	1.059354	5.616	0.7717	0.442066	0.613861	-5.904
HPGD	0.083418	0.083418	1.059525	1.059525	11.893	0.2505	0.802738	0.882578	-6.161
PTH	0.083457	0.083457	1.059554	1.059554	5.7577	1.0295	0.30572	0.493788	-5.681
GFAP	0.083913	0.083913	1.059889	1.059889	6.8195	1.1437	0.255432	0.440953	-5.562
CTSC	0.084928	0.084928	1.060635	1.060635	7.888	0.6954	0.488372	0.64715	-5.958
PLA2G10	0.08572	0.08572	1.061217	1.061217	10.203	0.3366	0.737085	0.8424	-6.136
FLT3LG	0.086501	0.086501	1.061792	1.061792	7.4903	0.7699	0.443133	0.613861	-5.905
TDGF1	0.086848	0.086848	1.062047	1.062047	6.0069	0.8864	0.377488	0.557103	-5.812
CXCL6	0.087831	0.087831	1.062771	1.062771	10.412	0.127	0.899159	0.942573	-6.183
CD70	0.088368	0.088368	1.063167	1.063167	9.0056	1.2358	0.219414	0.410979	-5.458
IL12A	0.089911	0.089911	1.064304	1.064304	8.2843	0.9408	0.34907	0.534736	-5.765
MMP3	0.090636	0.090636	1.064839	1.064839	6.4075	0.4757	0.635311	0.766309	-6.082
CADM3	0.091473	0.091473	1.065458	1.065458	6.9091	1.5235	0.13075	0.290983	-5.081
EIF5	0.094506	0.094506	1.0677	1.0677	8.6869	0.6878	0.493157	0.651197	-5.963
ANGPT4	0.094564	0.094564	1.067743	1.067743	6.6453	1.1444	0.25515	0.440953	-5.561
CCL15	0.095352	0.095352	1.068326	1.068326	11.242	0.1816	0.856242	0.915433	-6.175
RSP02	0.095467	0.095467	1.068412	1.068412	6.3245	0.9867	0.326143	0.515708	-5.722
AHSG	0.095557	0.095557	1.068478	1.068478	13.97	0.4447	0.657467	0.781578	-6.096
KRT18	0.097313	0.097313	1.069779	1.069779	5.3382	0.9789	0.329954	0.515784	-5.73
GREM1	0.099067	0.099067	1.07108	1.07108	5.7424	0.989	0.325033	0.515396	-5.72
KLRF1	0.099665	0.099665	1.071524	1.071524	6.4362	1.1818	0.240053	0.425369	-5.52
ECE1	0.099848	0.099848	1.07166	1.07166	9.2676	1.3412	0.182855	0.365387	-5.328
CDH12	0.100299	0.100299	1.071996	1.071996	7.3656	0.9028	0.368782	0.550734	-5.798
CCL23	0.101869	0.101869	1.073163	1.073163	8.1369	0.2503	0.802841	0.882578	-6.161
SST	0.101977	0.101977	1.073243	1.073243	6.8789	1.4651	0.146006	0.313983	-5.163
CD226	0.102075	0.102075	1.073316	1.073316	7.4616	1.3223	0.189053	0.373801	-5.352
TGFBI	0.103134	0.103134	1.074104	1.074104	13.51	0.3429	0.73235	0.839414	-6.134
CDH15	0.103313	0.103313	1.074238	1.074238	9.5737	1.127	0.262428	0.447439	-5.58
SFRP1	0.103801	0.103801	1.074601	1.074601	7.647	0.3493	0.72757	0.836484	-6.132
GAS1	0.104851	0.104851	1.075383	1.075383	6.6847	1.091	0.277886	0.462733	-5.619
NLGN4X	0.105012	0.105012	1.075504	1.075504	5.7092	1.3899	0.167628	0.343471	-5.265
DKK1	0.105852	0.105852	1.07613	1.07613	9.3691	0.3827	0.702782	0.817138	-6.12
SPON1	0.106009	0.106009	1.076247	1.076247	5.9053	0.654	0.514602	0.670111	-5.985
CD200	0.10662	0.10662	1.076703	1.076703	7.1932	1.363	0.175912	0.354933	-5.3
EREG	0.106718	0.106718	1.076776	1.076776	7.6629	1.2531	0.213048	0.402328	-5.437

CTSS	0.107327	0.107327	1.07723	1.07723	16.057	0.5287	0.598166	0.736455	-6.056
ATP5B	0.108047	0.108047	1.077768	1.077768	9.2148	0.8693	0.386731	0.566303	-5.827
PRKCA	0.108853	0.108853	1.078371	1.078371	9.0506	0.7982	0.426645	0.598363	-5.884
ADCYAP1	0.109414	0.109414	1.07879	1.07879	7.6411	1.4416	0.152512	0.323051	-5.196
FGF12	0.111273	0.111273	1.080181	1.080181	6.2085	0.5364	0.592872	0.733135	-6.052
C1S	0.114043	0.114043	1.082257	1.082257	13.885	0.6852	0.494803	0.652608	-5.965
SNRPF	0.114562	0.114562	1.082646	1.082646	10.178	0.5197	0.604422	0.7394	-6.061
C3_X2	0.114914	0.114914	1.082911	1.082911	15.432	0.2822	0.778398	0.865824	-6.153
RGMB	0.116697	0.116697	1.084249	1.084249	8.1003	0.3445	0.731202	0.83895	-6.134
FSTL3	0.117645	0.117645	1.084963	1.084963	6.2631	0.6987	0.48637	0.645823	-5.956
GCKR	0.11777	0.11777	1.085057	1.085057	6.5793	1.5088	0.134463	0.295923	-5.102
MMP8	0.119836	0.119836	1.086611	1.086611	9.2739	0.6156	0.539553	0.68869	-6.008
IGFBP3	0.120784	0.120784	1.087326	1.087326	8.0518	0.673	0.502483	0.659656	-5.972
TIMP3	0.120799	0.120799	1.087337	1.087337	6.6797	1.3337	0.185289	0.36921	-5.338
PLAU	0.124606	0.124606	1.09021	1.09021	7.0221	0.9032	0.368571	0.550734	-5.798
PDGFC	0.125279	0.125279	1.090719	1.090719	6.3309	1.2444	0.216234	0.407559	-5.447
COLEC11	0.126196	0.126196	1.091412	1.091412	6.5861	1.0076	0.316047	0.505109	-5.702
PLA2G7	0.126441	0.126441	1.091597	1.091597	10.129	0.4602	0.646332	0.776286	-6.089
SCARF2	0.126481	0.126481	1.091628	1.091628	6.7228	1.4687	0.145034	0.312488	-5.158
LGALS8	0.128554	0.128554	1.093198	1.093198	7.8534	0.561	0.576019	0.718591	-6.039
IDUA	0.128555	0.128555	1.093198	1.093198	15.077	0.759	0.449622	0.616047	-5.913
EEF1B2	0.128724	0.128724	1.093326	1.093326	9.1432	0.7189	0.473879	0.634623	-5.942
C3_X5	0.129481	0.129481	1.0939	1.0939	6.4887	1.0041	0.317723	0.506652	-5.706
PDE3A	0.12974	0.12974	1.094096	1.094096	8.3136	1.4934	0.138458	0.302944	-5.124
CSF1	0.129847	0.129847	1.094178	1.094178	9.2342	0.6204	0.536395	0.685952	-6.005
TPM1	0.130122	0.130122	1.094386	1.094386	7.2771	0.7741	0.440677	0.613861	-5.902
KAT6A	0.130622	0.130622	1.094765	1.094765	8.446	1.1041	0.272192	0.457981	-5.605
BMPR1A	0.133113	0.133113	1.096657	1.096657	5.1147	1.3068	0.194249	0.380082	-5.372
PRSS2	0.134192	0.134192	1.097478	1.097478	7.2963	0.5229	0.602206	0.738209	-6.059
TNF	0.134267	0.134267	1.097535	1.097535	6.3081	1.4959	0.137804	0.302098	-5.12
MICB	0.13485	0.13485	1.097978	1.097978	6.0136	0.7868	0.43326	0.604636	-5.893
CDC42BPI	0.136664	0.136664	1.09936	1.09936	9.2126	1.3115	0.192666	0.378296	-5.366
HAVCR2	0.136747	0.136747	1.099423	1.099423	7.0493	1.1023	0.272957	0.458583	-5.607
STX1A	0.136828	0.136828	1.099485	1.099485	7.5344	0.6507	0.516745	0.670595	-5.987
HSD17B1C	0.140324	0.140324	1.102152	1.102152	9.4228	0.3266	0.744616	0.845746	-6.14
CD274	0.141333	0.141333	1.102924	1.102924	7.1613	0.7734	0.441111	0.613861	-5.903
MRC1	0.141964	0.141964	1.103406	1.103406	12.095	0.4237	0.672653	0.795755	-6.104
EGFR	0.142004	0.142004	1.103437	1.103437	10.265	0.8497	0.397527	0.576874	-5.843
NR1D1	0.1423	0.1423	1.103664	1.103664	6.1691	1.9261	0.056907	0.1745	-4.429
INHBA	0.14284	0.14284	1.104076	1.104076	10.648	0.459	0.647254	0.776568	-6.089
CST7	0.143084	0.143084	1.104263	1.104263	6.4389	1.3768	0.171612	0.349669	-5.282
IL1RAP	0.143091	0.143091	1.104269	1.104269	9.7145	0.765	0.44608	0.614805	-5.909
PDE4D	0.143413	0.143413	1.104515	1.104515	8.2183	1.4013	0.164178	0.340104	-5.25
PROC	0.144106	0.144106	1.105046	1.105046	8.3094	1.1516	0.252221	0.438088	-5.554
PLAT	0.14464	0.14464	1.105455	1.105455	6.7733	1.5676	0.120113	0.276187	-5.016
MAPKAPK	0.145488	0.145488	1.106104	1.106104	7.073	1.1892	0.237166	0.42235	-5.512
C7	0.145868	0.145868	1.106396	1.106396	7.0917	0.9848	0.32707	0.515729	-5.724
PDE5A	0.147032	0.147032	1.107289	1.107289	8.4321	2.4764	0.014933	0.083195	-3.312
TIE1	0.147561	0.147561	1.107695	1.107695	8.2222	0.557	0.578766	0.720185	-6.041
DYNLRB1	0.147587	0.147587	1.107715	1.107715	11.338	0.4468	0.65596	0.781201	-6.095
GRAP2	0.148179	0.148179	1.10817	1.10817	7.6113	2.0217	0.045848	0.153599	-4.253
MAPK13	0.15006	0.15006	1.109615	1.109615	8.8573	0.3246	0.746139	0.846625	-6.14
CD207	0.150085	0.150085	1.109635	1.109635	5.8765	0.9182	0.36068	0.543668	-5.785
STIP1	0.150309	0.150309	1.109807	1.109807	15.488	0.7639	0.4467	0.614805	-5.91
JAG1	0.152414	0.152414	1.111428	1.111428	6.4394	1.0975	0.27503	0.460696	-5.612
FGFR4	0.153075	0.153075	1.111937	1.111937	7.8801	1.8422	0.068387	0.192506	-4.576
PIIB	0.154067	0.154067	1.112701	1.112701	9.7549	1.8674	0.064745	0.185462	-4.532
F7	0.154524	0.154524	1.113055	1.113055	8.0613	1.42	0.158686	0.333626	-5.225
NPPA	0.154779	0.154779	1.113251	1.113251	7.0022	1.7048	0.09131	0.233481	-4.805

TNNI3	0.155176	0.155176	1.113557	1.113557	6.3196	2.0336	0.044613	0.152114	-4.23
HSPD1	0.156958	0.156958	1.114934	1.114934	11.162	0.3864	0.700008	0.815592	-6.119
PPP3R1	0.158395	0.158395	1.116045	1.116045	10.81	1.3811	0.170308	0.3477	-5.277
IL20RA	0.160013	0.160013	1.117298	1.117298	5.2537	0.892	0.374515	0.554892	-5.808
MPO	0.161595	0.161595	1.118523	1.118523	17.194	0.8383	0.403869	0.582335	-5.852
HSD17B1	0.164078	0.164078	1.12045	1.12045	9.2015	2.2392	0.027333	0.116891	-3.824
IL18BP	0.164756	0.164756	1.120977	1.120977	6.4538	1.6239	0.107505	0.259117	-4.931
TNFSF12	0.165233	0.165233	1.121347	1.121347	8.2874	0.8051	0.422676	0.596227	-5.879
COLEC12	0.165426	0.165426	1.121497	1.121497	8.9686	1.9023	0.059975	0.179608	-4.471
CA13	0.165567	0.165567	1.121607	1.121607	10.409	0.5668	0.572087	0.716395	-6.036
PGF	0.1671	0.1671	1.122799	1.122799	6.3995	1.4771	0.142764	0.309964	-5.147
NCK1	0.167402	0.167402	1.123034	1.123034	7.7484	1.5479	0.124769	0.283948	-5.045
ERP29	0.167493	0.167493	1.123105	1.123105	15.723	0.865	0.389076	0.568998	-5.83
DCTN2	0.169186	0.169186	1.124424	1.124424	6.5004	1.6586	0.100297	0.2467	-4.878
PAK7	0.169644	0.169644	1.124781	1.124781	7.9489	1.2093	0.229368	0.416554	-5.488
CGA_X3	0.170461	0.170461	1.125418	1.125418	6.2723	0.9941	0.322546	0.512173	-5.715
ING1	0.173302	0.173302	1.127637	1.127637	9.3213	0.7186	0.47407	0.634623	-5.942
TNFRSF21	0.174306	0.174306	1.128422	1.128422	10.775	0.3981	0.691362	0.811025	-6.115
TNFRSF1C	0.174882	0.174882	1.128872	1.128872	8.004	1.8813	0.062809	0.183223	-4.508
SGTA	0.175149	0.175149	1.129081	1.129081	9.0518	0.6835	0.495851	0.653096	-5.966
DBNL	0.176614	0.176614	1.130228	1.130228	12.395	1.0071	0.316308	0.505109	-5.703
IL18R1	0.177005	0.177005	1.130534	1.130534	8.1889	0.7551	0.451976	0.617026	-5.916
AMN	0.177768	0.177768	1.131133	1.131133	7.2177	1.167	0.245954	0.430514	-5.536
DPP7	0.178657	0.178657	1.13183	1.13183	11.399	1.1699	0.244783	0.429798	-5.533
IL3	0.179811	0.179811	1.132735	1.132735	8.774	2.5781	0.011378	0.070972	-3.079
PPY	0.181721	0.181721	1.134236	1.134236	6.8721	2.5231	0.013193	0.079652	-3.206
CMPK1	0.183614	0.183614	1.135726	1.135726	10.029	1.5836	0.116418	0.271002	-4.992
CASP2	0.184918	0.184918	1.136752	1.136752	5.6958	1.959	0.052875	0.167359	-4.369
GP6	0.18616	0.18616	1.137731	1.137731	6.8454	1.8427	0.068304	0.192506	-4.575
SELP	0.188989	0.188989	1.139965	1.139965	6.4552	1.0509	0.295823	0.482232	-5.66
SLC25A18	0.189286	0.189286	1.140199	1.140199	7.473	2.3579	0.020306	0.097553	-3.574
PTEN	0.191355	0.191355	1.141836	1.141836	6.976	0.7501	0.454962	0.618614	-5.92
EPHB4	0.192938	0.192938	1.143089	1.143089	11.433	1.9091	0.059092	0.177433	-4.459
DYRK3	0.194673	0.194673	1.144465	1.144465	9.7649	1.7934	0.075901	0.208498	-4.659
COL18A1	0.19504	0.19504	1.144756	1.144756	8.9804	1.0505	0.296002	0.482232	-5.66
PTPN1	0.19684	0.19684	1.146185	1.146185	12.161	0.7325	0.465566	0.626489	-5.932
IL17RC	0.197749	0.197749	1.146908	1.146908	7.8577	1.4188	0.159046	0.333761	-5.227
DKKL1	0.199782	0.199782	1.148525	1.148525	11.023	1.551	0.124026	0.283948	-5.041
GDF2	0.20311	0.20311	1.151177	1.151177	6.9604	2.6463	0.009441	0.063391	-2.917
LTA	0.203748	0.203748	1.151686	1.151686	6.7844	2.2283	0.028081	0.119052	-3.847
IL1R1	0.203753	0.203753	1.151691	1.151691	6.6928	0.8045	0.422976	0.596227	-5.879
FCAR	0.205037	0.205037	1.152716	1.152716	5.8692	2.0792	0.040135	0.142954	-4.143
BMP6	0.205679	0.205679	1.153229	1.153229	7.9153	2.2579	0.026103	0.114227	-3.785
PKM2	0.206046	0.206046	1.153522	1.153522	13.203	0.4856	0.628292	0.761096	-6.077
CCDC80	0.206187	0.206187	1.153635	1.153635	12.542	0.4148	0.679142	0.801204	-6.108
PSME1	0.207663	0.207663	1.154816	1.154816	14.727	0.8985	0.371047	0.551927	-5.802
CAMK1D	0.212481	0.212481	1.158679	1.158679	8.8525	1.5958	0.113665	0.268468	-4.974
FLT4	0.214006	0.214006	1.159905	1.159905	5.8057	1.0943	0.27643	0.461671	-5.615
COTL1	0.214282	0.214282	1.160126	1.160126	11.058	1.4379	0.153561	0.324663	-5.201
SERPINA4	0.214752	0.214752	1.160504	1.160504	16.213	0.9106	0.364678	0.548185	-5.792
NAPA	0.215553	0.215553	1.161149	1.161149	14.488	0.812	0.418719	0.593142	-5.873
ITGA2B	0.217461	0.217461	1.162686	1.162686	7.4192	2.705	0.008019	0.058983	-2.776
VTA1	0.218731	0.218731	1.16371	1.16371	13.132	0.7943	0.428894	0.60077	-5.887
PTPN2	0.21958	0.21958	1.164395	1.164395	7.2638	1.2072	0.230174	0.41697	-5.491
TPI1	0.221759	0.221759	1.166155	1.166155	16.145	1.5288	0.129436	0.288801	-5.073
MMEL1	0.22189	0.22189	1.166261	1.166261	8.7751	2.7706	0.006662	0.053215	-2.614
IGFBP6	0.22191	0.22191	1.166276	1.166276	7.4002	0.6319	0.528874	0.680067	-5.998
ANGPT1	0.222386	0.222386	1.166662	1.166662	6.5629	1.4876	0.139961	0.30505	-5.132
LEPR	0.222818	0.222818	1.167011	1.167011	6.5791	1.2621	0.209807	0.400121	-5.426

SERPINE2	0.225691	0.225691	1.169337	1.169337	9.6031	0.9536	0.342539	0.529038	-5.753
IL1A	0.225745	0.225745	1.169381	1.169381	7.6031	1.1068	0.271	0.456655	-5.602
SPHK1	0.228201	0.228201	1.171373	1.171373	6.9595	1.1141	0.267872	0.452736	-5.594
DDX19B	0.228332	0.228332	1.17148	1.17148	7.0904	2.3797	0.019203	0.094722	-3.526
CD84	0.228355	0.228355	1.171498	1.171498	9.0187	1.9948	0.048764	0.159341	-4.303
KDR	0.22934	0.22934	1.172299	1.172299	10.099	1.7536	0.08253	0.221849	-4.725
MFRP	0.230246	0.230246	1.173035	1.173035	8.3092	2.804	0.006054	0.052982	-2.531
NTRK2	0.23083	0.23083	1.17351	1.17351	5.4195	1.53	0.129145	0.288723	-5.071
APOE	0.231336	0.231336	1.173922	1.173922	9.9973	0.6444	0.520763	0.673473	-5.991
ESM1	0.232351	0.232351	1.174747	1.174747	7.502	2.5588	0.011988	0.074365	-3.124
NAAA	0.234536	0.234536	1.176528	1.176528	12.078	0.6681	0.505591	0.661375	-5.976
SCARB2	0.235057	0.235057	1.176953	1.176953	6.6281	1.3923	0.166883	0.342565	-5.262
CCNB1	0.23559	0.23559	1.177388	1.177388	6.1413	2.0426	0.0437	0.14996	-4.213
OCIAD1	0.236088	0.236088	1.177794	1.177794	8.8272	2.1841	0.031273	0.126331	-3.937
PRSS27	0.236632	0.236632	1.178239	1.178239	10.566	2.5971	0.010804	0.068142	-3.034
LGALS2	0.237557	0.237557	1.178995	1.178995	6.6673	2.7977	0.006164	0.053157	-2.547
UFC1	0.238317	0.238317	1.179616	1.179616	12.504	1.1486	0.253415	0.439486	-5.557
CAMK1	0.240342	0.240342	1.181272	1.181272	11.351	1.59	0.11496	0.269833	-4.983
MSR1	0.241154	0.241154	1.181937	1.181937	8.0262	2.9122	0.004418	0.047572	-2.255
IL2	0.247039	0.247039	1.186769	1.186769	6.8287	3.225	0.001698	0.035494	-1.408
LMNB1	0.250923	0.250923	1.189968	1.189968	8.2673	1.6899	0.09413	0.238636	-4.828
PPIF	0.252475	0.252475	1.191249	1.191249	10.181	1.1725	0.243743	0.429306	-5.53
CCL13	0.254849	0.254849	1.193211	1.193211	6.636	1.492	0.138828	0.303165	-5.126
SAA1	0.255255	0.255255	1.193547	1.193547	7.9538	0.8044	0.423059	0.596227	-5.879
MMP16	0.256058	0.256058	1.194211	1.194211	8.7101	1.1675	0.245771	0.430514	-5.536
KLK14	0.257783	0.257783	1.19564	1.19564	10.964	1.9219	0.057433	0.175248	-4.436
IL12RB2	0.25845	0.25845	1.196193	1.196193	7.7573	1.6192	0.108533	0.260157	-4.939
DKK4	0.258915	0.258915	1.196579	1.196579	9.4301	0.8442	0.40053	0.578999	-5.847
PIM1	0.259465	0.259465	1.197035	1.197035	7.3571	2.7669	0.006732	0.053215	-2.624
GSK3A	0.259998	0.259998	1.197477	1.197477	10.243	0.6678	0.505798	0.661375	-5.976
NID1	0.260473	0.260473	1.197872	1.197872	6.309	1.8751	0.063669	0.183523	-4.519
BDNF	0.26271	0.26271	1.199731	1.199731	7.2067	1.878	0.063261	0.183523	-4.514
SERPINA3	0.262857	0.262857	1.199853	1.199853	16.382	1.6589	0.100247	0.2467	-4.877
F11	0.26328	0.26328	1.200204	1.200204	7.0264	1.7276	0.087114	0.228194	-4.768
IL2RA	0.265058	0.265058	1.201684	1.201684	8.0383	1.8973	0.06065	0.18067	-4.48
PTN	0.265764	0.265764	1.202272	1.202272	9.6502	0.4074	0.68457	0.805922	-6.111
TGFBR2	0.266143	0.266143	1.202589	1.202589	7.6748	2.3619	0.020101	0.097513	-3.565
KLRK1	0.266297	0.266297	1.202717	1.202717	6.6259	2.6092	0.010454	0.067461	-3.006
DIABLO	0.266806	0.266806	1.203141	1.203141	10.02	1.8912	0.061461	0.181794	-4.491
F2	0.2679	0.2679	1.204054	1.204054	7.9431	1.1238	0.263763	0.447802	-5.584
ABL2	0.267936	0.267936	1.204084	1.204084	8.1576	2.9081	0.004472	0.047572	-2.266
MAP3K7	0.269331	0.269331	1.205249	1.205249	9.1516	2.1379	0.034938	0.131482	-4.029
ULBP1	0.27165	0.27165	1.207187	1.207187	6.5571	2.167	0.032587	0.126865	-3.971
PDE7A	0.271898	0.271898	1.207395	1.207395	6.1488	1.795	0.075646	0.208304	-4.657
C4A	0.272791	0.272791	1.208143	1.208143	15.37	0.6378	0.525024	0.676605	-5.995
AIMP1	0.277728	0.277728	1.212284	1.212284	9.8548	1.3011	0.196181	0.382536	-5.379
TNFRSF1/	0.278159	0.278159	1.212646	1.212646	8.6203	0.7606	0.448647	0.616047	-5.912
EPS15L1	0.27829	0.27829	1.212757	1.212757	6.6584	1.7919	0.07614	0.208647	-4.662
SMPDL3A	0.279582	0.279582	1.213843	1.213843	12.704	1.6681	0.098396	0.243618	-4.863
SOD1	0.279931	0.279931	1.214137	1.214137	8.2564	1.2131	0.227925	0.416388	-5.484
TEC	0.28059	0.28059	1.214691	1.214691	8.8415	2.784	0.006412	0.053157	-2.581
SH2D1A	0.281627	0.281627	1.215565	1.215565	6.494	1.5205	0.131502	0.291109	-5.085
CDKN1B	0.282449	0.282449	1.216257	1.216257	8.232	1.3975	0.165325	0.340605	-5.255
XPNPEP1	0.282454	0.282454	1.216262	1.216262	7.2163	1.1542	0.251149	0.43761	-5.551
SORCS2	0.283015	0.283015	1.216735	1.216735	5.8396	1.1245	0.263464	0.447802	-5.583
PRL	0.283864	0.283864	1.217452	1.217452	9.5894	2.2158	0.02895	0.119722	-3.872
SERPINA7	0.284402	0.284402	1.217905	1.217905	14.416	0.6827	0.49633	0.653096	-5.966
CNDP1	0.284751	0.284751	1.2182	1.2182	10.169	1.8227	0.071309	0.199276	-4.61
IL22RA1	0.284896	0.284896	1.218322	1.218322	7.8183	3.2304	0.001669	0.035494	-1.393

TNNI2	0.285719	0.285719	1.219017	1.219017	10.88	0.9392	0.349865	0.535227	-5.766
FCGR1A	0.286939	0.286939	1.220049	1.220049	9.6604	0.848	0.398424	0.577433	-5.844
CLEC7A	0.28777	0.28777	1.220752	1.220752	9.1594	2.38	0.019188	0.094722	-3.526
MAPK12	0.290379	0.290379	1.222961	1.222961	6.0216	1.9419	0.05493	0.171073	-4.4
HBA1	0.294632	0.294632	1.226572	1.226572	8.2653	0.42	0.675411	0.797635	-6.106
MMP17	0.295486	0.295486	1.227299	1.227299	7.6812	2.0564	0.042319	0.146109	-4.187
CDH6	0.296652	0.296652	1.228291	1.228291	8.153	2.8111	0.005932	0.052808	-2.513
PRKCQ	0.297325	0.297325	1.228864	1.228864	7.9815	2.4023	0.018117	0.092555	-3.477
PLA2G2A	0.300724	0.300724	1.231763	1.231763	9.1759	0.5664	0.572355	0.716395	-6.036
EPB41	0.304571	0.304571	1.235052	1.235052	12.281	0.8069	0.421616	0.596227	-5.877
CMA1	0.304709	0.304709	1.235169	1.235169	9.8464	0.944	0.347425	0.533803	-5.762
ARSA	0.307339	0.307339	1.237424	1.237424	8.5968	1.8842	0.06242	0.183046	-4.503
KPNB1	0.30831	0.30831	1.238257	1.238257	12.81	0.9997	0.319861	0.509341	-5.71
TNFRSF1E	0.30953	0.30953	1.239304	1.239304	10.639	1.0242	0.308184	0.496347	-5.686
BMP10	0.309924	0.309924	1.239643	1.239643	9.0854	2.4238	0.017137	0.089159	-3.43
PARK7	0.311783	0.311783	1.24124	1.24124	10.204	1.2149	0.227231	0.416205	-5.482
STK17B	0.314819	0.314819	1.243856	1.243856	10.138	1.9784	0.050606	0.163239	-4.333
CALR	0.315004	0.315004	1.244015	1.244015	8.9471	3.1226	0.002339	0.037679	-1.693
DNAJC19	0.315138	0.315138	1.244131	1.244131	7.0292	2.5136	0.013532	0.080406	-3.228
UNC5C	0.315255	0.315255	1.244231	1.244231	6.6601	1.0319	0.30458	0.493586	-5.679
SYNCRIP	0.316265	0.316265	1.245103	1.245103	10.149	1.2986	0.197028	0.383525	-5.382
KLK6	0.318095	0.318095	1.246683	1.246683	10.234	2.4291	0.016903	0.088618	-3.418
IL1RAPL2	0.321458	0.321458	1.249593	1.249593	8.3484	3.2489	0.001574	0.035494	-1.341
CASP10	0.322641	0.322641	1.250618	1.250618	13.395	1.3325	0.185698	0.36921	-5.339
MAPKAPK	0.322911	0.322911	1.250852	1.250852	10.097	0.9102	0.364885	0.548185	-5.792
PAK6	0.323607	0.323607	1.251456	1.251456	6.1477	1.5997	0.11278	0.266937	-4.968
CD209	0.324264	0.324264	1.252025	1.252025	8.1278	2.2435	0.027052	0.11657	-3.815
SEMA6A	0.324496	0.324496	1.252226	1.252226	7.8556	1.3626	0.176052	0.354933	-5.301
PROC_X2	0.327445	0.327445	1.254789	1.254789	7.5073	1.6098	0.110561	0.264102	-4.953
CAMK2D	0.328931	0.328931	1.256082	1.256082	10.504	0.9229	0.358278	0.542755	-5.781
CD86	0.329701	0.329701	1.256753	1.256753	6.0833	2.6567	0.009173	0.06239	-2.893
LILRB1	0.332772	0.332772	1.259431	1.259431	9.6251	0.9287	0.355271	0.540933	-5.776
LEP	0.333298	0.333298	1.25989	1.25989	8.7897	3.2322	0.001659	0.035494	-1.388
ADCYAP1	0.33386	0.33386	1.260381	1.260381	8.7035	3.8071	0.000241	0.018169	0.348
MASP1	0.334774	0.334774	1.26118	1.26118	9.042	2.9325	0.00416	0.047357	-2.202
PTHLH	0.337128	0.337128	1.263239	1.263239	8.9584	0.7668	0.444986	0.614805	-5.907
NOTCH3	0.340097	0.340097	1.265842	1.265842	6.9663	1.398	0.165181	0.340605	-5.254
NID2	0.340362	0.340362	1.266074	1.266074	9.215	2.7648	0.006772	0.053215	-2.629
FAM107B	0.343552	0.343552	1.268877	1.268877	7.3795	1.7067	0.090944	0.233481	-4.802
SSRP1	0.347603	0.347603	1.272445	1.272445	7.4533	1.3455	0.181476	0.363273	-5.323
IL19	0.349238	0.349238	1.273888	1.273888	6.5128	1.9941	0.048833	0.159341	-4.304
IGF1	0.349726	0.349726	1.274319	1.274319	9.8141	1.4071	0.162457	0.338402	-5.242
INSR	0.352105	0.352105	1.276422	1.276422	6.6503	1.2355	0.219504	0.410979	-5.458
CCL3	0.352503	0.352503	1.276774	1.276774	6.6219	3.1456	0.002178	0.036875	-1.63
PLAUR	0.353345	0.353345	1.277519	1.277519	7.6866	1.984	0.049971	0.162544	-4.323
TIMP1	0.353479	0.353479	1.277638	1.277638	15.041	1.2305	0.221384	0.412877	-5.464
UBE2N	0.354251	0.354251	1.278321	1.278321	14.082	1.6382	0.104494	0.254726	-4.91
MDK	0.357258	0.357258	1.280989	1.280989	6.8518	1.4578	0.148001	0.315867	-5.173
CA3	0.358743	0.358743	1.282308	1.282308	6.9705	1.5112	0.133872	0.295199	-5.098
IGFBP7	0.358962	0.358962	1.282503	1.282503	7.5292	1.2002	0.232855	0.419193	-5.499
CSK	0.35922	0.35922	1.282732	1.282732	12.708	0.6995	0.485839	0.645823	-5.955
GFRA2	0.361796	0.361796	1.285024	1.285024	11.276	1.2095	0.229282	0.416554	-5.488
C5	0.363	0.363	1.286097	1.286097	7.1823	0.8791	0.38145	0.560752	-5.819
HTRA2	0.363813	0.363813	1.286822	1.286822	9.4659	1.6945	0.093244	0.2371	-4.821
DCTPP1	0.363928	0.363928	1.286925	1.286925	12.067	1.3213	0.189394	0.373821	-5.353
NTN4	0.367347	0.367347	1.289979	1.289979	7.0463	2.4827	0.014687	0.083195	-3.298
PDE9A	0.367611	0.367611	1.290215	1.290215	7.2596	1.8331	0.069741	0.195378	-4.592
CA9	0.368009	0.368009	1.290571	1.290571	6.6473	3.0794	0.002672	0.037768	-1.811
LYVE1	0.368032	0.368032	1.290591	1.290591	7.8774	1.1947	0.235006	0.420479	-5.505

TYK2	0.368392	0.368392	1.290914	1.290914	11.421	2.9297	0.004195	0.047357	-2.209
PSMD7	0.371889	0.371889	1.294046	1.294046	7.8675	1.3284	0.187046	0.371133	-5.345
ECM1	0.372284	0.372284	1.294401	1.294401	11.004	1.226	0.223042	0.413527	-5.469
MSN	0.372576	0.372576	1.294662	1.294662	12.943	1.6466	0.102757	0.251109	-4.897
MST1	0.374029	0.374029	1.295967	1.295967	4.8362	1.4153	0.160061	0.335267	-5.231
MAPT	0.377039	0.377039	1.298673	1.298673	7.9615	2.6015	0.010676	0.068129	-3.024
CNDP2	0.380878	0.380878	1.302134	1.302134	8.5911	2.4455	0.016195	0.086761	-3.381
NACA	0.382174	0.382174	1.303305	1.303305	8.4535	2.0773	0.040308	0.143105	-4.147
HRG	0.387282	0.387282	1.307927	1.307927	11.604	1.4002	0.164506	0.340161	-5.251
PLA2G1B	0.387651	0.387651	1.308261	1.308261	7.8024	2.2867	0.024299	0.108863	-3.725
CAPN1	0.3969	0.3969	1.316676	1.316676	16.128	2.4619	0.015514	0.084613	-3.345
MIA	0.398543	0.398543	1.318176	1.318176	12.66	0.5331	0.595133	0.733521	-6.054
FGF5	0.398651	0.398651	1.318275	1.318275	6.7082	3.0885	0.002598	0.037768	-1.786
S100A9	0.39988	0.39988	1.319398	1.319398	12.639	1.4616	0.146953	0.314819	-5.168
PF4	0.400779	0.400779	1.32022	1.32022	8.5303	1.544	0.125725	0.283948	-5.051
EHMT2	0.401163	0.401163	1.320572	1.320572	9.1645	2.9417	0.004049	0.047125	-2.178
EPHA10	0.401339	0.401339	1.320733	1.320733	5.3706	2.8344	0.005546	0.050904	-2.454
IGF1R	0.401763	0.401763	1.321121	1.321121	7.3481	1.6334	0.105501	0.255602	-4.917
DLL1	0.403899	0.403899	1.323079	1.323079	9.3806	1.2576	0.211425	0.401366	-5.432
SIGLEC14	0.40415	0.40415	1.323309	1.323309	10.423	1.1153	0.267352	0.452535	-5.593
NCAM1	0.404545	0.404545	1.323671	1.323671	7.4239	1.4531	0.149284	0.318002	-5.18
MAP2K4	0.405142	0.405142	1.324219	1.324219	8.9662	2.2493	0.026664	0.116227	-3.803
TNFRSF17	0.408856	0.408856	1.327633	1.327633	7.0929	1.5354	0.127823	0.286902	-5.064
CYCS	0.410338	0.410338	1.328997	1.328997	9.6455	0.9608	0.338937	0.524911	-5.746
CD200R1	0.410527	0.410527	1.329171	1.329171	7.1389	2.7972	0.006174	0.053157	-2.548
SPTAN1	0.414926	0.414926	1.33323	1.33323	5.7395	2.4407	0.016398	0.087327	-3.392
IGFBP5	0.414956	0.414956	1.333258	1.333258	13.178	0.8632	0.390087	0.569739	-5.832
FCN1	0.416236	0.416236	1.334442	1.334442	10.032	2.8662	0.005056	0.047572	-2.373
NME1	0.416396	0.416396	1.334589	1.334589	13.82	1.9413	0.055004	0.171073	-4.401
TNC	0.418944	0.418944	1.336949	1.336949	14.501	1.5934	0.114196	0.268598	-4.978
NXPH1	0.421301	0.421301	1.339134	1.339134	11.026	2.1722	0.032183	0.126865	-3.961
PDPK1	0.422397	0.422397	1.340152	1.340152	9.1204	1.264	0.209128	0.400072	-5.424
JAK2	0.422531	0.422531	1.340277	1.340277	8.1469	3.276	0.001443	0.035494	-1.263
SCARF1	0.425909	0.425909	1.343418	1.343418	6.9364	1.9281	0.056647	0.174458	-4.425
gp41 C34	0.426472	0.426472	1.343943	1.343943	8.1726	2.6674	0.008904	0.062053	-2.867
PRKAA2	0.426681	0.426681	1.344138	1.344138	9.3047	0.9871	0.325949	0.515708	-5.722
F9	0.426773	0.426773	1.344223	1.344223	7.4242	0.9713	0.333731	0.518985	-5.737
MIF	0.427636	0.427636	1.345027	1.345027	12.543	1.2574	0.211526	0.401366	-5.432
AGR2	0.428885	0.428885	1.346193	1.346193	8.3308	2.445	0.016215	0.086761	-3.382
FGF2	0.431788	0.431788	1.348904	1.348904	7.6708	2.3778	0.019297	0.094722	-3.53
TNFRSF13	0.434331	0.434331	1.351284	1.351284	9.2709	1.8208	0.071596	0.199585	-4.613
NMT1	0.440589	0.440589	1.357158	1.357158	10.049	1.8821	0.062702	0.183223	-4.507
ARPP19	0.444109	0.444109	1.360474	1.360474	6.6808	2.2289	0.028038	0.119052	-3.845
C4B	0.444877	0.444877	1.361198	1.361198	12.42	1.3563	0.178013	0.35761	-5.309
METAP1	0.445037	0.445037	1.361349	1.361349	10.084	1.1857	0.238516	0.423403	-5.515
UBE2I	0.446403	0.446403	1.362639	1.362639	14.203	1.9946	0.048787	0.159341	-4.303
FTH1	0.447286	0.447286	1.363473	1.363473	10.522	0.9802	0.329329	0.515784	-5.728
MMP12	0.448676	0.448676	1.364787	1.364787	9.0604	0.9018	0.369316	0.550803	-5.799
NSFL1C	0.449937	0.449937	1.365981	1.365981	8.1437	1.9159	0.0582	0.17616	-4.447
HSPA1A	0.450563	0.450563	1.366574	1.366574	15.05	1.9487	0.054108	0.169688	-4.388
SERPINE1	0.450876	0.450876	1.36687	1.36687	6.2054	2.2009	0.030018	0.123236	-3.902
PSMA2	0.452804	0.452804	1.368698	1.368698	7.4875	1.6094	0.110647	0.264102	-4.954
F3	0.459302	0.459302	1.374877	1.374877	7.956	2.8757	0.004918	0.047572	-2.349
TNFRSF14	0.46118	0.46118	1.376667	1.376667	6.4511	3.2413	0.001612	0.035494	-1.362
RARRES2	0.462018	0.462018	1.377467	1.377467	10.679	0.7656	0.445722	0.614805	-5.908
F10_X2	0.462927	0.462927	1.378336	1.378336	9.2102	1.2733	0.205827	0.395875	-5.413
EDA2R	0.463309	0.463309	1.3787	1.3787	7.1237	3.0557	0.002872	0.039545	-1.875
GDF5	0.468497	0.468497	1.383667	1.383667	9.4452	3.2799	0.001426	0.035494	-1.252
ANP32B	0.468824	0.468824	1.383981	1.383981	7.2908	1.7813	0.077873	0.212365	-4.68

NCR1	0.468957	0.468957	1.384108	1.384108	9.4225	2.225	0.028304	0.119052	-3.853
COL23A1	0.471094	0.471094	1.38616	1.38616	7.3771	2.2608	0.025915	0.114049	-3.779
VEGFA	0.472619	0.472619	1.387626	1.387626	8.1601	2.1899	0.030833	0.125216	-3.925
TBP	0.476004	0.476004	1.390885	1.390885	8.2118	1.7554	0.082219	0.221849	-4.722
CPNE1	0.478205	0.478205	1.39301	1.39301	13.779	1.2324	0.220679	0.412494	-5.462
SERPINA5	0.479724	0.479724	1.394477	1.394477	12.346	0.7894	0.431742	0.603263	-5.891
BCL2A1	0.480569	0.480569	1.395294	1.395294	10.88	2.8253	0.005694	0.051845	-2.477
NUDCD3	0.481895	0.481895	1.396577	1.396577	6.7175	1.8747	0.063721	0.183523	-4.52
CAMK2A	0.482558	0.482558	1.397219	1.397219	8.4737	1.2908	0.199717	0.387424	-5.391
PPBP	0.487146	0.487146	1.40167	1.40167	9.0853	2.379	0.019239	0.094722	-3.528
EIF4G2	0.488282	0.488282	1.402773	1.402773	9.5879	1.4492	0.15038	0.319412	-5.185
AGT	0.490644	0.490644	1.405072	1.405072	8.6544	1.1457	0.254621	0.440901	-5.56
LIFR	0.490669	0.490669	1.405096	1.405096	7.1188	1.7397	0.084963	0.226234	-4.748
SPOCK1	0.492049	0.492049	1.406441	1.406441	12.955	2.4833	0.014666	0.083195	-3.297
COMMD7	0.493656	0.493656	1.408009	1.408009	9.999	2.0953	0.038644	0.140287	-4.112
SELE	0.498857	0.498857	1.413093	1.413093	8.4821	2.4118	0.017678	0.091133	-3.456
DAPK2	0.499134	0.499134	1.413365	1.413365	9.6069	2.0219	0.045828	0.153599	-4.252
F9_X2	0.501268	0.501268	1.415457	1.415457	7.3934	1.411	0.161308	0.33663	-5.237
CPB2	0.504702	0.504702	1.41883	1.41883	10.008	0.9951	0.322067	0.512131	-5.714
MMP2	0.504745	0.504745	1.418873	1.418873	8.0215	2.1594	0.033186	0.128263	-3.986
CA1	0.508196	0.508196	1.422271	1.422271	9.3206	1.2699	0.207024	0.397501	-5.417
METAP2	0.512364	0.512364	1.426386	1.426386	11.826	1.1998	0.233031	0.419193	-5.499
MATK	0.513064	0.513064	1.427077	1.427077	6.233	3.5	0.000694	0.02798	-0.606
IGF2R	0.520774	0.520774	1.434725	1.434725	12.759	2.1581	0.033287	0.128263	-3.989
TFPI	0.526093	0.526093	1.440024	1.440024	7.8229	1.1958	0.234579	0.42038	-5.504
KIT	0.533197	0.533197	1.447132	1.447132	9.4166	3.1454	0.002179	0.036875	-1.63
MMP13	0.538673	0.538673	1.452636	1.452636	8.6397	1.8946	0.061009	0.18126	-4.485
CAMK2B	0.539409	0.539409	1.453377	1.453377	9.7713	1.2285	0.222109	0.413115	-5.466
SELL	0.539702	0.539702	1.453672	1.453672	13.561	2.2184	0.02877	0.119418	-3.867
IL1B	0.542506	0.542506	1.4565	1.4565	7.8993	3.2803	0.001424	0.035494	-1.251
CFHR5	0.548361	0.548361	1.462423	1.462423	8.5172	3.6168	0.000468	0.027014	-0.251
PTPN6	0.55114	0.55114	1.465244	1.465244	10.927	1.0397	0.300984	0.488936	-5.671
CTGF	0.551527	0.551527	1.465636	1.465636	8.4896	2.3347	0.021539	0.100901	-3.624
CD36	0.553245	0.553245	1.467383	1.467383	7.9599	1.9828	0.050102	0.162544	-4.325
LGALS3Bf	0.561744	0.561744	1.476053	1.476053	9.5011	2.4871	0.014518	0.083195	-3.288
CCL16	0.561863	0.561863	1.476175	1.476175	5.9781	1.7125	0.089872	0.231656	-4.792
TOP1	0.568625	0.568625	1.483109	1.483109	8.6611	1.5328	0.128452	0.287743	-5.067
THBS2	0.570838	0.570838	1.485386	1.485386	7.0451	2.4779	0.014876	0.083195	-3.309
EIF4A3	0.572743	0.572743	1.487349	1.487349	8.3282	1.7338	0.086008	0.227288	-4.758
GAPDH	0.581521	0.581521	1.496426	1.496426	16.852	1.2197	0.225419	0.415846	-5.476
FUT5	0.583344	0.583344	1.498318	1.498318	13.654	0.9034	0.368456	0.550734	-5.798
SERPINF2	0.583748	0.583748	1.498738	1.498738	7.5426	1.2151	0.227157	0.416205	-5.482
F10	0.58421	0.58421	1.499218	1.499218	8.7228	1.5822	0.116721	0.271147	-4.994
CRISP3	-1.86415	1.864146	3.640524	-3.64052	13.647	-2.963	0.0038	0.04588	-2.122
IL6ST	-0.61467	0.614667	1.531205	-1.5312	11.795	-2.949	0.003963	0.046601	-2.159
CTSA	-0.828	0.828004	1.775228	-1.77523	14.406	-2.885	0.00479	0.047572	-2.326
CST1	-0.60234	0.602336	1.518173	-1.51817	17.478	-2.872	0.004973	0.047572	-2.359
CST3	-0.59741	0.59741	1.512998	-1.513	16.612	-2.891	0.004705	0.047572	-2.31
TLR4	0.609632	0.609632	1.52587	1.52587	9.4181	2.8871	0.004756	0.047572	-2.32
RBP4	0.617674	0.617674	1.534399	1.534399	10.388	2.9077	0.004477	0.047572	-2.267
CFC1	-1.39071	1.39071	2.622078	-2.62208	11.954	-2.888	0.004748	0.047572	-2.318
SERPINA3	-1.15831	1.158307	2.231953	-2.23195	18.024	-2.896	0.004629	0.047572	-2.296
CTSB	-1.13903	1.139029	2.202327	-2.20233	12.654	-2.907	0.004491	0.047572	-2.269
NAMPT	1.312198	1.312198	2.483196	2.483196	8.6916	2.9051	0.004512	0.047572	-2.273
CD5L	1.315205	1.315205	2.488377	2.488377	14.699	2.8892	0.004727	0.047572	-2.314
FGG	1.323544	1.323544	2.502801	2.502801	13.451	2.8788	0.004874	0.047572	-2.341
HPX	1.410765	1.410765	2.658781	2.658781	9.1691	2.8702	0.004998	0.047572	-2.363
CAPG	1.421629	1.421629	2.678878	2.678878	11.31	2.8719	0.004973	0.047572	-2.359
TXNDC12	0.642363	0.642363	1.560884	1.560884	11.539	2.8365	0.005513	0.050904	-2.449

C5_X2	1.30982	1.30982	2.479106	2.479106	10.825	2.8149	0.005868	0.052808	-2.504
ARSB	0.644413	0.644413	1.563103	1.563103	8.7795	2.7828	0.006433	0.053157	-2.584
IL5	0.61661	0.61661	1.533269	1.533269	11.045	2.7616	0.006835	0.053215	-2.637
SHC1	0.682528	0.682528	1.60495	1.60495	11.559	2.7653	0.006763	0.053215	-2.628
CAST	0.830866	0.830866	1.778753	1.778753	11.837	2.7626	0.006815	0.053215	-2.634
APOB	0.958143	0.958143	1.942808	1.942808	7.4669	2.772	0.006635	0.053215	-2.611
FN1_X2	1.041731	1.041731	2.058696	2.058696	12.771	2.7662	0.006745	0.053215	-2.625
IL6	1.133508	1.133508	2.193916	2.193916	8.7492	2.734	0.00739	0.055623	-2.705
ADIPOQ	1.193544	1.193544	2.28714	2.28714	11.357	2.741	0.007246	0.055623	-2.688
NRXN3	-0.61856	0.61856	1.535342	-1.53534	11.54	-2.726	0.00756	0.056527	-2.725
PGLYRP1	1.092426	1.092426	2.132323	2.132323	10.798	2.7038	0.008046	0.058983	-2.779
MAP2K2	0.602928	0.602928	1.518796	1.518796	8.6057	2.6953	0.008239	0.059997	-2.799
F2_X2	-0.85472	0.854719	1.808406	-1.80841	15.198	-2.683	0.008524	0.061299	-2.829
TLR2	0.648946	0.648946	1.568022	1.568022	8.8624	2.6677	0.008897	0.062053	-2.866
MMP1	0.695186	0.695186	1.619093	1.619093	7.695	2.67	0.008842	0.062053	-2.861
AZU1	1.228014	1.228014	2.342442	2.342442	9.005	2.6611	0.009063	0.06239	-2.882
GPC3	-1.10083	1.100834	2.144786	-2.14479	6.7058	-2.652	0.009298	0.062859	-2.904
VEGFA_X2	-0.59491	0.594912	1.51038	-1.51038	8.5049	-2.644	0.009489	0.063391	-2.922
RETN	1.834626	1.834626	3.566789	3.566789	10.055	2.6119	0.010375	0.067461	-2.999
KLK13	-0.59351	0.593514	1.508918	-1.50892	10.468	-2.514	0.013509	0.080406	-3.226
POMC	0.632873	0.632873	1.55065	1.55065	6.8729	2.5088	0.013704	0.081006	-3.239
HMOX2	0.659112	0.659112	1.579111	1.579111	7.8152	2.5005	0.014011	0.082387	-3.257
SIRT2	0.587094	0.587094	1.502217	1.502217	12.228	2.4775	0.014892	0.083195	-3.31
LRPAP1	0.672374	0.672374	1.593693	1.593693	10.757	2.4855	0.014578	0.083195	-3.291
RBM39	0.963303	0.963303	1.949769	1.949769	8.5616	2.4822	0.014707	0.083195	-3.299
PRKACA	1.349647	1.349647	2.548497	2.548497	11.068	2.486	0.014561	0.083195	-3.29
ADSL	0.639514	0.639514	1.557804	1.557804	8.9347	2.4688	0.015235	0.083905	-3.329
FGG_XX	0.7825	0.7825	1.720109	1.720109	15.548	2.4357	0.016615	0.08786	-3.403
TYMS	-0.90723	0.907233	1.875446	-1.87545	11.726	-2.428	0.016954	0.088618	-3.42
IL16	0.671431	0.671431	1.592652	1.592652	14.272	2.4166	0.01746	0.090423	-3.445
TIMP2	1.073131	1.073131	2.103994	2.103994	12.096	2.3883	0.018786	0.094684	-3.508
TGM3	-1.50919	1.509189	2.8465	-2.8465	13.666	-2.378	0.019289	0.094722	-3.53
GNS	-0.61773	0.61773	1.534459	-1.53446	11.96	-2.36	0.020211	0.097513	-3.57
PPA1	0.62757	0.62757	1.544961	1.544961	11.943	2.3615	0.020119	0.097513	-3.566
POSTN	0.937301	0.937301	1.914943	1.914943	6.6186	2.3602	0.020185	0.097513	-3.569
THBS1	0.713068	0.713068	1.639286	1.639286	12.504	2.3511	0.020658	0.09841	-3.588
MAPK1	0.971937	0.971937	1.961472	1.961472	10.559	2.3522	0.020603	0.09841	-3.586
SERPINA1	1.041345	1.041345	2.058145	2.058145	11.45	2.3421	0.021139	0.099442	-3.608
FGA	0.599861	0.599861	1.515571	1.515571	16.19	2.3242	0.022118	0.102913	-3.646
LILRB2	0.747163	0.747163	1.678489	1.678489	9.6277	2.3235	0.022155	0.102913	-3.647
PPP3CA	0.914476	0.914476	1.884885	1.884885	11.789	2.2828	0.024536	0.10949	-3.733
ENTPD1	0.93203	0.93203	1.907959	1.907959	10.685	2.2646	0.025674	0.114049	-3.772
CXCL11	0.978358	0.978358	1.970221	1.970221	6.7574	2.2609	0.025911	0.114049	-3.779
SPOCK2	-0.70594	0.705942	1.631209	-1.63121	6.0966	-2.246	0.026869	0.116227	-3.81
CLU	-1.01077	1.010775	2.014993	-2.01499	10.747	-2.247	0.026847	0.116227	-3.809
THBS4	-0.8009	0.800904	1.742193	-1.74219	10.12	-2.24	0.02731	0.116891	-3.823
PPBP_X2	0.694168	0.694168	1.617951	1.617951	11.554	2.2241	0.028366	0.119052	-3.855
PGAM1	1.90941	1.90941	3.756555	3.756555	15.215	2.2193	0.028702	0.119418	-3.865
SIGLEC7	0.603597	0.603597	1.5195	1.5195	10.302	2.2054	0.029694	0.122352	-3.893
SIGLEC9	1.664188	1.664188	3.169351	3.169351	8.3515	2.1931	0.030594	0.124697	-3.918
HP	1.125108	1.125108	2.181178	2.181178	14.519	2.1803	0.031555	0.126331	-3.944
PLXNC1	0.740395	0.740395	1.670633	1.670633	9.2142	2.1728	0.032135	0.126865	-3.959
FN1_X3	0.770801	0.770801	1.706217	1.706217	13.351	2.1671	0.032577	0.126865	-3.971
A2M	0.956623	0.956623	1.940762	1.940762	11.631	2.17	0.032354	0.126865	-3.965
SERPIND1	1.051812	1.051812	2.073131	2.073131	9.9388	2.168	0.032507	0.126865	-3.969
EIF5A	-0.75715	0.757145	1.690143	-1.69014	11.706	-2.141	0.034642	0.130807	-4.022
TNFAIP6	0.834096	0.834096	1.78274	1.78274	5.5954	2.1326	0.035385	0.132283	-4.039
ADAM9	0.810851	0.810851	1.754246	1.754246	9.6011	2.12	0.036455	0.135388	-4.064
XRCC6	0.749964	0.749964	1.681751	1.681751	9.0381	2.1113	0.037215	0.137757	-4.081

PSMA1	1.324916	1.324916	2.505183	2.505183	8.7657	2.1029	0.037963	0.140067	-4.098
ARID3A	0.656966	0.656966	1.576764	1.576764	7.6837	2.0992	0.038291	0.140287	-4.105
BST1	0.868161	0.868161	1.825335	1.825335	9.5168	2.0913	0.039015	0.14118	-4.12
PLG	1.034661	1.034661	2.048632	2.048632	9.7854	2.0884	0.039281	0.141687	-4.126
FABP5	-0.69848	0.698483	1.622797	-1.6228	8.9057	-2.07	0.041051	0.144382	-4.162
SLITRK5	0.638644	0.638644	1.556865	1.556865	7.987	2.0634	0.041636	0.145532	-4.174
HGFAC	0.951136	0.951136	1.933395	1.933395	11.928	2.0237	0.045646	0.153599	-4.249
MET	-0.87186	0.871856	1.830016	-1.83002	9.9626	-2.019	0.046098	0.153979	-4.257
IGHD	1.059431	1.059431	2.084109	2.084109	9.0819	2.0147	0.0466	0.154738	-4.266
PROS1	1.053122	1.053122	2.075015	2.075015	8.4896	1.9716	0.051387	0.165289	-4.346
IL17RA	0.586106	0.586106	1.50119	1.50119	7.603	1.9678	0.05183	0.165768	-4.353
NOTCH1	0.604167	0.604167	1.520101	1.520101	6.9318	1.9642	0.052254	0.166652	-4.359
BPI	0.740514	0.740514	1.670771	1.670771	15.511	1.9589	0.052881	0.167359	-4.369
NME2	1.140685	1.140685	2.204856	2.204856	12.776	1.9586	0.05292	0.167359	-4.37
IGHE	0.663328	0.663328	1.583732	1.583732	6.8808	1.9566	0.053152	0.167621	-4.373
PPIE	-0.65327	0.653272	1.572731	-1.57273	7.8946	-1.944	0.054669	0.170972	-4.396
SRC	0.855511	0.855511	1.809399	1.809399	10.19	1.9401	0.055159	0.171083	-4.403
PRKCZ	0.616919	0.616919	1.533597	1.533597	8.827	1.9276	0.05671	0.174458	-4.426
SNX4	-0.67035	0.670349	1.591458	-1.59146	9.6665	-1.925	0.057033	0.1745	-4.43
IGFBP2	0.99001	0.99001	1.986199	1.986199	8.551	1.8886	0.061816	0.182219	-4.495
ESD	0.74715	0.74715	1.678474	1.678474	10.455	1.885	0.062307	0.183046	-4.502
CTSV	-0.58937	0.589369	1.504588	-1.50459	10.092	-1.875	0.063616	0.183523	-4.518
SERPING1	0.889709	0.889709	1.852803	1.852803	12.548	1.8664	0.064887	0.185462	-4.534
POR	1.00515	1.00515	2.007152	2.007152	11.422	1.8564	0.066309	0.188098	-4.552
ADAMTS1	0.640924	0.640924	1.559327	1.559327	6.5431	1.8492	0.067352	0.190577	-4.564
CHST15	0.887733	0.887733	1.850267	1.850267	10.131	1.8143	0.072599	0.201385	-4.624
PGD	1.286874	1.286874	2.439988	2.439988	16.729	1.8062	0.073862	0.204387	-4.638
MAPK14	0.76267	0.76267	1.696628	1.696628	11.638	1.7869	0.076954	0.210365	-4.67
PPID	-0.75236	0.752355	1.684541	-1.68454	9.6136	-1.772	0.079446	0.216131	-4.695
ACY1	-0.64699	0.646992	1.5659	-1.5659	11.677	-1.763	0.080944	0.219676	-4.71
TPSB2	0.646209	0.646209	1.56505	1.56505	8.0876	1.7513	0.082934	0.222406	-4.729
ITGAV	0.824263	0.824263	1.77063	1.77063	10.166	1.7437	0.08425	0.224865	-4.742
CXCL10	0.747369	0.747369	1.678729	1.678729	7.3862	1.7372	0.085405	0.226393	-4.752
MAPKAPK	0.753818	0.753818	1.686249	1.686249	10.924	1.7371	0.085424	0.226393	-4.753
AFM	1.155199	1.155199	2.227151	2.227151	10.796	1.7205	0.088401	0.230199	-4.779
PLCG1	0.602164	0.602164	1.517992	1.517992	7.2663	1.6881	0.094488	0.238636	-4.831
PTPN11	0.867198	0.867198	1.824117	1.824117	9.7356	1.6854	0.095002	0.238638	-4.836
CSNK2B	0.63996	0.63996	1.558286	1.558286	11.562	1.6819	0.095684	0.239529	-4.841
ITIH4	0.872217	0.872217	1.830474	1.830474	10.876	1.6805	0.095944	0.239647	-4.843
ELANE	0.587546	0.587546	1.502689	1.502689	13.177	1.676	0.096838	0.241346	-4.851
FGR	0.972969	0.972969	1.962876	1.962876	8.8158	1.6614	0.099738	0.246399	-4.873
CFB	0.787933	0.787933	1.726598	1.726598	13.144	1.5868	0.115687	0.270263	-4.988
FUT3	1.671759	1.671759	3.186027	3.186027	12.84	1.5702	0.119505	0.275349	-5.012
CFP	1.274331	1.274331	2.418866	2.418866	11.351	1.5477	0.124835	0.283948	-5.046
KLK11	-0.74807	0.748074	1.679549	-1.67955	11.544	-1.54	0.126689	0.285492	-5.057
CXCL3	0.632187	0.632187	1.549913	1.549913	10.171	1.5228	0.130929	0.290983	-5.082
MAPK3	0.723438	0.723438	1.651113	1.651113	12.453	1.4998	0.136784	0.300446	-5.115
CHIT1	0.789828	0.789828	1.728868	1.728868	12.231	1.4036	0.163505	0.339958	-5.247
RPS7	0.609529	0.609529	1.525761	1.525761	10.111	1.3927	0.166765	0.342565	-5.261
KNG1	0.945678	0.945678	1.926094	1.926094	9.8494	1.3818	0.170086	0.3477	-5.276
CD163	0.679306	0.679306	1.60137	1.60137	7.0061	1.3729	0.172826	0.350935	-5.287
C3_X6	0.839774	0.839774	1.789769	1.789769	8.8467	1.371	0.173405	0.351479	-5.29
ERAP1	0.694033	0.694033	1.617799	1.617799	11.939	1.3608	0.176593	0.35539	-5.303
LYN_X2	1.034034	1.034034	2.047742	2.047742	12.098	1.3075	0.194002	0.380082	-5.371
ADRBK1	0.74983	0.74983	1.681594	1.681594	10.417	1.2822	0.2027	0.391864	-5.402
LYN	0.799839	0.799839	1.740907	1.740907	10.325	1.2685	0.207546	0.397826	-5.419
AKT1	0.625181	0.625181	1.542404	1.542404	12.223	1.2579	0.211327	0.401366	-5.431
C1QA	0.6388	0.6388	1.557034	1.557034	12.739	1.2209	0.224969	0.415696	-5.475
PLG_X2	0.707538	0.707538	1.633015	1.633015	6.1656	1.187	0.237997	0.423147	-5.514

LBP	0.697462	0.697462	1.621649	1.621649	12.459	1.1778	0.24165	0.426953	-5.524
FETUB	0.746163	0.746163	1.677326	1.677326	8.5399	1.1265	0.262612	0.447439	-5.581
C9	0.83592	0.83592	1.784994	1.784994	12.576	1.0687	0.287748	0.473568	-5.641
SERPINC1	-0.70573	0.705726	1.630965	-1.63097	12.449	-1.031	0.305158	0.493586	-5.68
NAGK	0.843576	0.843576	1.794493	1.794493	13.247	0.9791	0.329885	0.515784	-5.729
LDHB	0.690579	0.690579	1.613931	1.613931	16.658	0.9415	0.34871	0.534736	-5.764
KLKB1	0.678462	0.678462	1.600432	1.600432	10.354	0.8372	0.404456	0.582437	-5.853
TF	0.600676	0.600676	1.516427	1.516427	14.599	0.821	0.413595	0.588097	-5.866
STC1	0.645613	0.645613	1.564404	1.564404	8.9121	0.822	0.413025	0.588097	-5.865
CFI	0.656977	0.656977	1.576775	1.576775	13.275	0.7916	0.430453	0.602207	-5.889