

Table S1. Differentially expressed gene (DEG) detection for the comparison between dilated and nondilated aortic intima-media (AMed) and aortic adventitia (AAdv) tissues.

1) AAdv DEGs

ID	logFC	AveExpr	t	P.Value	adj.P.Val	B
C5orf25	1.158097	4.6084908	27.65498	4.73E-24	1.60E-23	44.92065
ZNF585A	1.150283	4.1794094	25.76983	4.20E-23	1.42E-22	42.72298
RFC5	1.053908	4.9766377	25.76071	4.24E-23	1.44E-22	42.71199
SRRD	1.447234	5.3052692	24.90361	1.20E-22	4.08E-22	41.66146
CNST	1.436811	5.0359869	23.6932	5.54E-22	1.88E-21	40.11865
C7orf31	1.144804	3.997757	23.13391	1.15E-21	3.89E-21	39.38092
HSPA14	1.154841	5.087984	22.11765	4.51E-21	1.52E-20	37.99757
PGBD1	1.120478	4.6858954	21.74477	7.54E-21	2.55E-20	37.47549
MYO19	1.041871	5.4613546	21.69262	8.11E-21	2.74E-20	37.40183
SSH1	1.121938	5.2518104	21.4632	1.12E-20	3.78E-20	37.07588
DSCC1	1.024691	3.585615	21.32814	1.35E-20	4.58E-20	36.88252
HINFP	1.020074	5.7768835	21.22781	1.56E-20	5.28E-20	36.73818
C14orf143	1.114788	4.4664881	21.09717	1.88E-20	6.35E-20	36.5493
DDX20	1.108466	4.5396693	21.08973	1.90E-20	6.42E-20	36.53852
THEM4	2.072875	4.1030889	20.8375	2.73E-20	9.23E-20	36.17079
ZNF440	1.410746	4.7693515	20.73164	3.18E-20	1.08E-19	36.01527
ALKBH1	1.064	5.1208707	20.5223	4.32E-20	1.46E-19	35.70565
DOPEY2	1.001491	4.86262	20.5011	4.46E-20	1.50E-19	35.67414
ZNF85	1.605667	4.1893986	20.3173	5.84E-20	1.97E-19	35.39973
TBC1D7	1.176739	4.827373	20.26713	6.29E-20	2.12E-19	35.32445
ZNF700	1.039674	5.2616675	20.25737	6.38E-20	2.15E-19	35.30979
ZNF138	1.307776	4.628625	20.19798	6.97E-20	2.35E-19	35.22042
POLA2	1.210417	5.1858674	20.06707	8.47E-20	2.85E-19	35.02262
ZSCAN16	1.064576	3.9606697	19.88654	1.11E-19	3.74E-19	34.74798
ZNF642	1.113452	4.8016902	19.85993	1.16E-19	3.89E-19	34.70732

HKR1	1.21675	5.2425535	19.25515	2.91E-19	9.77E-19	33.77007
COX10	1.037659	5.6592226	19.22709	3.04E-19	1.02E-18	33.72598
LACE1	1.018347	4.1848	18.96479	4.57E-19	1.53E-18	33.31102
TOE1	1.023154	5.6012808	18.96441	4.57E-19	1.53E-18	33.31042
ZNF544	1.038075	5.0238865	18.94491	4.71E-19	1.58E-18	33.27938
SLC25A17	1.016716	5.7178279	18.86424	5.35E-19	1.80E-18	33.15065
VSTM2A	1.036855	4.8276217	18.79727	5.95E-19	1.99E-18	33.04345
FANK1	1.071494	3.9978022	18.7668	6.24E-19	2.09E-18	32.99455
CCDC125	1.003984	5.2434304	18.72061	6.71E-19	2.25E-18	32.92031
CDK7	1.419993	4.7596973	18.66937	7.28E-19	2.44E-18	32.83776
STAG3L4	1.467362	5.1721206	18.62864	7.77E-19	2.60E-18	32.77201
R3HDM1	1.13957	5.7628952	18.57	8.53E-19	2.86E-18	32.67714
TMEM5	1.109591	6.0565802	18.56088	8.65E-19	2.90E-18	32.66235
CCDC21	1.105261	4.4086245	18.41612	1.09E-18	3.65E-18	32.42694
SFXN4	1.034563	5.1248971	18.38412	1.15E-18	3.84E-18	32.37469
ADPRHL1	1.190194	5.0500814	18.13811	1.71E-18	5.71E-18	31.97041
C11orf63	1.121322	4.2981935	18.10078	1.82E-18	6.06E-18	31.90866
PGBD2	1.111347	4.2191586	18.07802	1.88E-18	6.29E-18	31.87096
RG9MTD3	1.330284	4.8376049	18.0187	2.08E-18	6.93E-18	31.77251
CCDC37	1.022444	4.1898103	17.99523	2.16E-18	7.20E-18	31.7335
MASTL	1.395893	5.2236668	17.96036	2.28E-18	7.62E-18	31.67544
FANCC	1.066051	4.2680676	17.8944	2.55E-18	8.49E-18	31.56535
IKBIP	1.489419	4.1528182	17.89335	2.55E-18	8.50E-18	31.56358
CCNK	1.186923	6.312051	17.89224	2.55E-18	8.52E-18	31.56173
MTCP1	1.042034	4.3164633	17.71584	3.42E-18	1.14E-17	31.26561
C2CD3	1.2375	5.4546259	17.70377	3.49E-18	1.16E-17	31.24526
ZNF555	1.026838	5.6280216	17.66782	3.70E-18	1.23E-17	31.18459
PHTF1	1.262127	5.1721285	17.64394	3.85E-18	1.28E-17	31.14421
NKRF	1.209153	4.8240244	17.63537	3.91E-18	1.30E-17	31.12972

ASTE1	1.199817	4.8101428	17.6027	4.12E-18	1.37E-17	31.07439
TMEM20	1.245678	3.9387413	17.59005	4.21E-18	1.40E-17	31.05295
CENPJ	1.299302	4.789703	17.55622	4.46E-18	1.48E-17	30.99554
PRIM2	1.134177	4.1591371	17.41599	5.64E-18	1.87E-17	30.7566
BTN2A3	1.173571	4.9723959	17.38943	5.89E-18	1.96E-17	30.71115
ATRN	1.007225	7.1963407	17.30671	6.78E-18	2.25E-17	30.56927
ACYP2	1.1527	5.013529	17.21825	7.87E-18	2.61E-17	30.41694
SAAL1	1.337052	5.4821343	17.18494	8.33E-18	2.76E-17	30.3594
MED19	1.060057	5.0281094	17.18139	8.38E-18	2.78E-17	30.35326
LACTB2	1.029876	3.937158	17.17276	8.50E-18	2.82E-17	30.33834
WDR67	1.108857	4.4579458	16.96765	1.21E-17	4.00E-17	29.98184
FAM122C	1.048055	5.3560476	16.94328	1.26E-17	4.17E-17	29.93925
ZCCHC8	1.222298	5.4336783	16.88527	1.39E-17	4.60E-17	29.83767
STK36	1.097442	4.882266	16.8225	1.55E-17	5.12E-17	29.72743
ZNF554	1.022281	5.7922764	16.76315	1.72E-17	5.67E-17	29.62289
GDNF	1.030851	3.9146238	16.75476	1.74E-17	5.76E-17	29.60808
C4orf33	1.674582	4.616063	16.74473	1.77E-17	5.86E-17	29.59039
HHAT	1.089078	5.1614071	16.70789	1.89E-17	6.24E-17	29.52529
RNF148	1.079763	3.9711485	16.70094	1.91E-17	6.32E-17	29.51299
DYRK3	1.296348	5.3058944	16.56786	2.41E-17	7.96E-17	29.27677
MTMR1	1.008305	6.2389193	16.46056	2.91E-17	9.59E-17	29.08521
STK16	1.129357	5.5283285	16.43576	3.04E-17	1.00E-16	29.04078
ZNF318	1.021536	5.5808315	16.30254	3.85E-17	1.27E-16	28.80123
FLJ45950	1.064316	4.7645536	16.28475	3.97E-17	1.31E-16	28.76912
ASAP1	1.405149	6.9314885	16.23232	4.36E-17	1.43E-16	28.67433
TRIM27	1.050185	7.0839196	16.19479	4.66E-17	1.53E-16	28.60635
WDYHV1	1.279945	5.3360349	16.19435	4.67E-17	1.53E-16	28.60555
DCLRE1B	1.073777	4.6622031	16.19087	4.69E-17	1.54E-16	28.59922
C11orf75	1.167298	4.9931226	16.13297	5.21E-17	1.71E-16	28.49405

EOMES	1.421478	5.5184238	16.12548	5.28E-17	1.73E-16	28.48043
IFIH1	1.412859	5.2486306	16.05852	5.95E-17	1.95E-16	28.35836
CRYGS	1.321286	4.8478435	16.03379	6.22E-17	2.04E-16	28.3132
ADPRH	1.228885	5.448795	16.02158	6.36E-17	2.08E-16	28.29087
KCTD18	1.102793	5.4438413	16.01627	6.42E-17	2.10E-16	28.28115
IL18BP	1.14445	5.4738498	16.01366	6.45E-17	2.11E-16	28.27637
TTC9C	1.150892	5.6260266	15.95682	7.14E-17	2.34E-16	28.17222
PLAC2	1.074355	4.3033003	15.88178	8.18E-17	2.68E-16	28.03426
C1orf124	1.073782	5.2530541	15.86033	8.50E-17	2.78E-16	27.99475
ZNF619	1.124362	5.0281775	15.85836	8.53E-17	2.79E-16	27.99111
C14orf118	1.027041	7.2000413	15.78773	9.70E-17	3.17E-16	27.86064
METTL1	1.087803	4.4852459	15.76059	1.02E-16	3.33E-16	27.81038
FANCI	1.061326	3.8914626	15.75004	1.04E-16	3.39E-16	27.79084
SHCBP1	1.035718	3.8069807	15.61615	1.33E-16	4.33E-16	27.54177
ULK4	1.174719	5.0450773	15.60437	1.36E-16	4.42E-16	27.51978
IWS1	1.141656	6.4858478	15.60199	1.36E-16	4.44E-16	27.51533
AUTS2	1.02326	5.6366352	15.46406	1.75E-16	5.71E-16	27.25683
RMND1	1.087174	4.5083507	15.39315	2.00E-16	6.50E-16	27.12324
DNAJC2	1.420087	4.6320374	15.38227	2.04E-16	6.63E-16	27.10269
TADA2A	1.19619	5.1342569	15.37298	2.08E-16	6.75E-16	27.08515
PKIB	1.075176	4.2347521	15.36116	2.12E-16	6.89E-16	27.06282
FAM84B	1.129013	5.3674411	15.33948	2.21E-16	7.17E-16	27.0218
ZNF607	1.017492	4.6705067	15.33592	2.22E-16	7.22E-16	27.01508
MRPL39	1.017113	5.8046918	15.30058	2.38E-16	7.70E-16	26.94813
STK19	1.014554	5.5033145	15.2322	2.70E-16	8.74E-16	26.81824
C17orf42	1.395846	5.1641868	15.20068	2.86E-16	9.27E-16	26.75822
TMEM116	1.065927	5.2096257	15.19872	2.87E-16	9.30E-16	26.75447
GEMIN4	1.064439	5.8439709	15.18282	2.96E-16	9.58E-16	26.72415
RPS2P32	1.215057	5.0088261	15.14411	3.18E-16	1.03E-15	26.65025

PIGW	1.203426	4.5230241	15.13121	3.26E-16	1.05E-15	26.62558
PRG2	1.070297	4.5403817	15.10691	3.41E-16	1.10E-15	26.57908
ACRBP	1.230941	4.5258671	15.06402	3.70E-16	1.19E-15	26.49687
CNO	1.089256	5.6287911	15.05713	3.75E-16	1.21E-15	26.48364
RAB15	1.135193	4.5555186	15.02192	4.01E-16	1.29E-15	26.41599
CHEK1	1.153819	4.0958681	15.00479	4.14E-16	1.33E-15	26.38303
MRPL44	1.219546	4.9548705	14.98342	4.31E-16	1.39E-15	26.34187
C19orf61	1.024703	5.6631464	14.96156	4.49E-16	1.45E-15	26.29973
MAGI3	1.081555	5.704187	14.95866	4.51E-16	1.45E-15	26.29414
CCNA2	1.258582	4.8278447	14.92969	4.77E-16	1.54E-15	26.23821
C13orf23	1.309383	5.4096661	14.81685	5.91E-16	1.90E-15	26.01954
AVL9	1.01647	5.2849463	14.78428	6.29E-16	2.02E-15	25.95619
AKAP10	1.065196	6.608454	14.77734	6.37E-16	2.05E-15	25.94269
C9orf25	1.037813	5.7554078	14.77373	6.42E-16	2.06E-15	25.93565
MTERF	1.307789	4.8765839	14.73165	6.96E-16	2.23E-15	25.85361
C2orf60	1.10988	4.2637437	14.70677	7.30E-16	2.34E-15	25.80501
PRC1	1.177285	4.7381143	14.68709	7.58E-16	2.43E-15	25.76653
EPHX4	1.121611	4.6241925	14.63625	8.36E-16	2.67E-15	25.66695
WDSUB1	1.068289	4.5819386	14.61647	8.68E-16	2.78E-15	25.62814
ALS2CR12	1.116189	4.8413151	14.53837	1.01E-15	3.23E-15	25.47448
GINS3	1.006077	4.6589483	14.53169	1.02E-15	3.27E-15	25.46131
UHRF1BP1	1.018363	5.3215832	14.52242	1.04E-15	3.32E-15	25.44302
MARCKSL1	1.336189	6.974451	14.51663	1.05E-15	3.36E-15	25.43161
MTIF3	1.21583	5.9433396	14.51643	1.05E-15	3.36E-15	25.43121
OSGEPL1	1.190043	4.4343202	14.4855	1.12E-15	3.57E-15	25.37011
WDHD1	1.002944	4.2863915	14.4724	1.15E-15	3.66E-15	25.34421
PARP11	1.032212	5.4319963	14.42722	1.25E-15	3.99E-15	25.25475
ZNF264	1.083774	5.0531158	14.40249	1.31E-15	4.19E-15	25.20569
C12orf11	1.379043	5.5028748	14.38825	1.35E-15	4.30E-15	25.17741

ATG16L1	1.023803	5.9531254	14.35329	1.45E-15	4.60E-15	25.1079
DONSON	1.161042	5.3577492	14.3469	1.46E-15	4.66E-15	25.09517
EBP	1.075836	5.3379794	14.34378	1.47E-15	4.69E-15	25.08896
FLJ44635	1.164742	4.8627285	14.31821	1.55E-15	4.93E-15	25.03801
SLC30A4	1.128806	6.6430505	14.30181	1.60E-15	5.08E-15	25.00529
NCOA6	1.041326	6.4703269	14.3005	1.60E-15	5.10E-15	25.00268
CD40	1.186998	5.4272983	14.27894	1.67E-15	5.31E-15	24.95963
JARID2	1.143701	5.9601113	14.26124	1.73E-15	5.50E-15	24.92427
ZNF431	1.500374	4.2745802	14.25356	1.76E-15	5.58E-15	24.9089
GPR75	1.372855	4.941057	14.23354	1.83E-15	5.80E-15	24.86882
NEK3	1.065948	5.5804719	14.22793	1.85E-15	5.87E-15	24.85759
CCDC36	1.018815	4.952685	14.22513	1.86E-15	5.90E-15	24.85198
TTC13	1.225733	6.2645361	14.22284	1.87E-15	5.92E-15	24.8474
EBLN2	1.043348	4.046217	14.21722	1.89E-15	5.99E-15	24.83614
PPA2	1.04256	5.5422729	14.20135	1.95E-15	6.17E-15	24.80431
FTH1P3	1.002049	5.7221144	14.15235	2.15E-15	6.79E-15	24.70589
SYNJ1	1.003633	5.9412787	14.14361	2.18E-15	6.91E-15	24.68832
QSOX2	1.027744	4.7997662	14.14108	2.19E-15	6.94E-15	24.68324
C18orf45	1.090516	5.0822964	14.12626	2.26E-15	7.15E-15	24.6534
PPP3CC	1.000926	6.7336761	14.10859	2.34E-15	7.40E-15	24.61781
ZNF418	1.292258	4.7135326	14.08411	2.46E-15	7.76E-15	24.56842
SLC36A1	1.106536	5.9560085	14.08349	2.46E-15	7.77E-15	24.56718
TRMT61B	1.450523	4.997578	14.08046	2.47E-15	7.81E-15	24.56107
MFSD11	1.145003	5.9180956	14.02273	2.77E-15	8.75E-15	24.44435
SYT1	1.109653	3.7956849	14.01291	2.83E-15	8.92E-15	24.42447
TMEM69	1.192818	6.5049049	14.00254	2.89E-15	9.11E-15	24.40345
SIP1	1.006404	4.317054	13.99976	2.90E-15	9.16E-15	24.39783
KIAA1407	1.167947	4.4416744	13.99429	2.94E-15	9.26E-15	24.38673
ISG20L2	1.103473	6.373383	13.95112	3.20E-15	1.01E-14	24.29911

CCL27	1.24836	4.5209217	13.94084	3.27E-15	1.03E-14	24.2782
INTS8	1.132819	6.6515963	13.93646	3.29E-15	1.04E-14	24.26929
NAA16	1.136432	4.9506834	13.93533	3.30E-15	1.04E-14	24.26699
PARP12	1.181794	5.9240066	13.92988	3.34E-15	1.05E-14	24.25591
RSPH1	1.193473	3.9901747	13.89686	3.57E-15	1.12E-14	24.18867
DGKE	1.007539	5.4495344	13.89557	3.57E-15	1.12E-14	24.18605
ADAMTS6	1.318922	4.9354064	13.8952	3.58E-15	1.12E-14	24.1853
SEC61A2	1.239316	5.0786644	13.88441	3.66E-15	1.15E-14	24.16329
ZNF75D	1.121931	4.71491	13.88131	3.68E-15	1.15E-14	24.15698
C6orf97	1.165116	4.1075113	13.80686	4.27E-15	1.34E-14	24.00483
ZNF841	1.286224	5.0338719	13.79766	4.35E-15	1.36E-14	23.98599
RAD17	1.256181	5.7525547	13.78656	4.45E-15	1.39E-14	23.96324
ALG13	1.471505	5.5549379	13.75369	4.75E-15	1.49E-14	23.89582
ZNF37A	1.002257	5.8276465	13.73991	4.89E-15	1.53E-14	23.8675
MKKS	1.010266	5.185211	13.72397	5.05E-15	1.58E-14	23.83475
ASAP1-IT	1.427779	5.0044416	13.69733	5.32E-15	1.66E-14	23.77993
DCUN1D2	1.049641	5.9577814	13.61906	6.24E-15	1.94E-14	23.61842
PIBF1	1.439749	5.063686	13.6189	6.24E-15	1.95E-14	23.61808
ARV1	1.04649	6.1559207	13.56311	6.99E-15	2.18E-14	23.50255
FAM125B	1.048681	5.6094886	13.55394	7.12E-15	2.22E-14	23.48352
PHF12	1.021372	6.6573715	13.5439	7.27E-15	2.26E-14	23.4627
SIK3	1.116006	5.8258311	13.52191	7.60E-15	2.36E-14	23.41702
ZNF501	1.203638	4.7930083	13.51264	7.75E-15	2.41E-14	23.39774
ALS2CR8	1.046636	5.5678228	13.50429	7.88E-15	2.45E-14	23.38038
SP100	1.257032	6.019785	13.47017	8.45E-15	2.62E-14	23.30934
ZNF439	1.203066	4.0594615	13.45583	8.70E-15	2.70E-14	23.27944
ZNF649	1.0203	5.1945735	13.44088	8.97E-15	2.78E-14	23.24826
C2orf34	1.023274	5.16827	13.43001	9.17E-15	2.84E-14	23.22555
ANGPTL2	1.305178	7.1222823	13.4196	9.37E-15	2.90E-14	23.20381

FASTKD1	1.418494	4.8428978	13.41513	9.46E-15	2.93E-14	23.19447
ZNF782	1.055711	4.7807292	13.34422	1.09E-14	3.38E-14	23.04598
NPFF	1.348755	6.1619032	13.32471	1.14E-14	3.51E-14	23.00502
GEN1	1.505032	4.2964515	13.31514	1.16E-14	3.58E-14	22.98492
RINT1	1.007204	5.1807154	13.2854	1.24E-14	3.81E-14	22.92238
MMP19	1.152506	6.3272095	13.27202	1.27E-14	3.91E-14	22.89422
CPT1C	1.011993	5.7705757	13.24166	1.35E-14	4.16E-14	22.83025
CEP57	1.056332	5.7020523	13.21955	1.42E-14	4.35E-14	22.78357
PDIA4	1.214736	6.6480314	13.21818	1.42E-14	4.36E-14	22.78069
BLMH	1.144498	6.6206209	13.19811	1.48E-14	4.55E-14	22.73827
KIF4A	1.060431	4.253853	13.19107	1.50E-14	4.61E-14	22.72338
PDCD10	1.026781	5.5706987	13.18983	1.51E-14	4.62E-14	22.72076
CDK12	1.240073	6.1850484	13.18916	1.51E-14	4.63E-14	22.71935
RAD51C	1.081941	5.6899739	13.15324	1.62E-14	4.98E-14	22.64329
MYO10	1.117729	5.6435405	13.14774	1.64E-14	5.03E-14	22.63165
ARSB	1.180831	6.5071011	13.14142	1.66E-14	5.10E-14	22.61823
PPP2R2A	1.081341	7.0970641	13.11418	1.76E-14	5.39E-14	22.56044
ACTR5	1.040206	6.0931228	13.11002	1.78E-14	5.44E-14	22.55161
FHL2	1.350676	7.4924147	13.10756	1.79E-14	5.47E-14	22.54638
C1orf131	1.066625	4.3416934	13.10193	1.81E-14	5.53E-14	22.53441
SPAG11B	1.011293	4.3661994	13.0596	1.97E-14	6.03E-14	22.44436
DPH5	1.192212	4.1647426	13.04498	2.04E-14	6.21E-14	22.41322
TDP1	1.142379	5.9373348	13.04185	2.05E-14	6.25E-14	22.40655
NUP214	1.045398	6.9285679	13.02803	2.11E-14	6.43E-14	22.37707
NMI	1.506379	4.9607062	13.02323	2.13E-14	6.49E-14	22.36683
SCLT1	1.126106	5.8601274	13.01494	2.17E-14	6.61E-14	22.34915
PBX3	1.170455	5.683506	13.00908	2.19E-14	6.68E-14	22.33664
C11orf61	1.131685	6.4022461	12.99501	2.26E-14	6.88E-14	22.30658
ZNF550	1.095043	4.4639867	12.99175	2.28E-14	6.93E-14	22.2996



NCBP1	1.01541	6.4358187	12.98996	2.28E-14	6.95E-14	22.29577
C14orf104	1.327082	4.5057066	12.97146	2.38E-14	7.22E-14	22.25621
GLI1	1.011701	5.0942676	12.95733	2.45E-14	7.43E-14	22.22597
WDR61	1.092805	4.7652431	12.94731	2.50E-14	7.59E-14	22.20451
OSBPL11	1.214641	5.4633451	12.94629	2.50E-14	7.61E-14	22.20233
PLA1A	1.176016	4.4684238	12.93994	2.54E-14	7.71E-14	22.18872
OTUD4	1.126183	6.5296961	12.91977	2.65E-14	8.04E-14	22.14546
DBR1	1.08778	5.1282336	12.86686	2.96E-14	8.97E-14	22.03178
PMM2	1.381438	5.8544601	12.83724	3.15E-14	9.54E-14	21.96801
STK35	1.192988	6.2932977	12.82827	3.21E-14	9.72E-14	21.94866
ZNF107	1.488087	4.9156386	12.81646	3.29E-14	9.96E-14	21.92321
RMI1	1.107703	4.292199	12.81051	3.33E-14	1.01E-13	21.91036
SNAPC1	1.236831	4.6433726	12.79437	3.45E-14	1.04E-13	21.87551
CEP135	1.121677	4.1209253	12.77797	3.57E-14	1.08E-13	21.84007
MBD4	1.019705	6.6126545	12.76629	3.66E-14	1.11E-13	21.81483
SNRNP40	1.28222	6.294298	12.76304	3.69E-14	1.11E-13	21.80778
SPICE1	1.073899	5.0098954	12.76144	3.70E-14	1.12E-13	21.80432
IFNA8	1.345279	4.4807563	12.68873	4.32E-14	1.30E-13	21.6467
C1orf91	1.041363	5.2325874	12.66945	4.50E-14	1.35E-13	21.60481
MED9	1.004671	4.7884691	12.65278	4.66E-14	1.40E-13	21.56854
EYA3	1.121026	5.6885727	12.64959	4.70E-14	1.41E-13	21.56158
AVIL	1.015274	5.1687271	12.63785	4.82E-14	1.45E-13	21.53604
C9orf9	1.140811	5.848226	12.62319	4.97E-14	1.49E-13	21.50409
CCDC146	1.262933	4.7082347	12.60285	5.19E-14	1.56E-13	21.45973
TMEM62	1.250342	5.823794	12.58829	5.35E-14	1.60E-13	21.42795
ZDHHC8P1	1.206592	5.8093287	12.57818	5.47E-14	1.64E-13	21.40587
ORAOV1	1.016656	5.5947033	12.55073	5.80E-14	1.74E-13	21.34585
MCTS1	1.243697	5.976359	12.50763	6.37E-14	1.90E-13	21.25142
ZNF382	1.366713	4.5256293	12.49779	6.50E-14	1.94E-13	21.22985

CPSF3	1.042199	6.0159474	12.48828	6.64E-14	1.98E-13	21.20897
LSG1	1.025026	6.2967591	12.43068	7.52E-14	2.24E-13	21.08232
C10orf18	1.194117	6.3143799	12.42567	7.60E-14	2.26E-13	21.07128
ZNF549	1.072335	5.5318422	12.39344	8.15E-14	2.43E-13	21.00023
EPT1	1.253501	5.2386117	12.39296	8.16E-14	2.43E-13	20.99917
REPS1	1.014373	6.1103361	12.38545	8.29E-14	2.47E-13	20.98259
RCC2	1.003701	6.9574761	12.32795	9.39E-14	2.79E-13	20.85546
PARL	1.014426	8.22235	12.3075	9.82E-14	2.91E-13	20.81017
C6orf150	1.326728	4.9752756	12.30474	9.88E-14	2.93E-13	20.80403
UNC119B	1.336439	4.4832931	12.29836	1.00E-13	2.97E-13	20.78988
AP4E1	1.051753	5.4283536	12.29602	1.01E-13	2.98E-13	20.7847
ZNF92	1.2612	5.0790664	12.28829	1.02E-13	3.03E-13	20.76755
ZSWIM3	1.012241	3.719634	12.28179	1.04E-13	3.07E-13	20.75313
ZNF304	1.037691	5.5058158	12.27455	1.05E-13	3.12E-13	20.73705
NUDT9P1	1.08073	3.9507877	12.26026	1.09E-13	3.22E-13	20.7053
INPP4A	1.022204	6.698906	12.2371	1.14E-13	3.38E-13	20.65381
ZC3H8	1.024745	5.8936712	12.21404	1.20E-13	3.55E-13	20.60247
RNASEL	1.188985	5.8534048	12.19469	1.26E-13	3.70E-13	20.55934
POLH	1.056994	6.509343	12.13321	1.44E-13	4.22E-13	20.42199
C15orf44	1.021062	6.8725805	12.12517	1.46E-13	4.30E-13	20.40401
PDE10A	1.257555	5.146215	12.12227	1.47E-13	4.33E-13	20.3975
RPL21P44	1.855886	5.0531623	12.11305	1.50E-13	4.41E-13	20.37686
NOD2	1.029377	4.3591425	12.10762	1.52E-13	4.46E-13	20.3647
SIRT2	1.033514	5.1290555	12.10385	1.53E-13	4.50E-13	20.35626
ZNF26	1.130507	5.1206909	12.10043	1.54E-13	4.53E-13	20.3486
NSMCE2	1.252285	5.8991783	12.09976	1.55E-13	4.54E-13	20.34708
TAF11	1.220822	6.3224633	12.05671	1.70E-13	4.98E-13	20.25048
KCNJ5	1.169633	4.893937	12.05398	1.71E-13	5.01E-13	20.24435
MLH3	1.138572	5.9562742	12.03493	1.78E-13	5.21E-13	20.20151

CXCR6	1.061736	3.755012	12.03304	1.79E-13	5.24E-13	20.19727
KDELC1	1.298425	5.3503418	12.02624	1.82E-13	5.31E-13	20.18196
MAGEA10	1.013453	4.9693998	12.02598	1.82E-13	5.31E-13	20.18137
GTF2H1	1.1117	6.2933662	12.01197	1.88E-13	5.47E-13	20.14983
SLTM	1.131666	6.8368687	12.01058	1.88E-13	5.49E-13	20.14672
WIPF1	1.070662	8.1792755	12.00905	1.89E-13	5.51E-13	20.14326
ORC5	1.007985	5.7048445	12.00132	1.92E-13	5.60E-13	20.12584
BAHCC1	1.214388	5.982918	11.97896	2.02E-13	5.88E-13	20.07544
FANCD2	1.140778	3.7546117	11.97655	2.03E-13	5.91E-13	20.06999
TGDS	1.133944	5.0449349	11.93381	2.23E-13	6.48E-13	19.97345
FLJ20712	1.22085	4.5656352	11.92106	2.30E-13	6.66E-13	19.94462
ICK	1.078091	6.350083	11.90551	2.38E-13	6.89E-13	19.9094
ZNF101	1.476022	5.0364148	11.90029	2.40E-13	6.97E-13	19.89758
TXNDC9	1.327495	5.4885441	11.89673	2.42E-13	7.02E-13	19.88951
VPS36	1.098326	7.5146641	11.88697	2.48E-13	7.17E-13	19.86738
IFT57	1.256828	5.774128	11.86691	2.59E-13	7.49E-13	19.82188
HPRT1	1.650675	6.5279472	11.86226	2.62E-13	7.57E-13	19.81133
LPAR2	1.054548	5.3706004	11.83296	2.79E-13	8.06E-13	19.74477
CLIC6	1.225949	4.6983248	11.81868	2.88E-13	8.32E-13	19.71229
C8orf44	1.184899	4.0468574	11.81688	2.90E-13	8.35E-13	19.70819
ZNF673	1.030708	6.4146748	11.80467	2.98E-13	8.58E-13	19.68039
ABHD3	1.385272	5.5442638	11.77872	3.15E-13	9.07E-13	19.62126
RBM8A	1.038802	5.5253209	11.77822	3.16E-13	9.08E-13	19.62011
CD58	1.164364	6.5032534	11.7658	3.25E-13	9.33E-13	19.59178
FAM111A	1.075188	6.9487406	11.76025	3.29E-13	9.45E-13	19.57911
C3orf42	1.422945	4.9054009	11.75263	3.34E-13	9.60E-13	19.56173
C1orf103	1.69264	4.5617796	11.75047	3.36E-13	9.65E-13	19.55678
RBM17	1.091332	6.4337472	11.72431	3.56E-13	1.02E-12	19.497
MTIF2	1.200985	5.6624586	11.70787	3.70E-13	1.06E-12	19.45939

UTP20	1.03924	5.3584548	11.70009	3.76E-13	1.08E-12	19.44158
TIFA	1.052406	5.752596	11.69786	3.78E-13	1.08E-12	19.43646
SLC10A7	1.104592	5.6817794	11.69031	3.85E-13	1.10E-12	19.41917
ELF4	1.127804	5.2817175	11.68603	3.88E-13	1.11E-12	19.40937
RELT	1.131555	5.611055	11.67393	3.99E-13	1.14E-12	19.38162
HAS1	1.022114	5.527221	11.65608	4.15E-13	1.19E-12	19.34067
LRRC37BP1	1.447913	5.1500044	11.61503	4.56E-13	1.30E-12	19.24634
SMC6	1.503781	5.4729278	11.60636	4.65E-13	1.32E-12	19.22639
LMNB1	1.605123	4.9088208	11.59646	4.75E-13	1.35E-12	19.20359
C14orf147	1.30457	5.445749	11.58433	4.88E-13	1.39E-12	19.17566
MREG	1.039618	4.1756965	11.5793	4.94E-13	1.40E-12	19.16407
DIRC2	1.090359	6.9629893	11.56089	5.15E-13	1.46E-12	19.12162
ZNF136	1.015893	6.4196841	11.55947	5.17E-13	1.47E-12	19.11834
ERI1	1.044936	4.5308831	11.55359	5.24E-13	1.49E-12	19.10476
THOC1	1.117285	6.0122203	11.54482	5.34E-13	1.51E-12	19.08453
C1orf27	1.362252	5.5183361	11.54226	5.37E-13	1.52E-12	19.07861
HAUS8	1.060272	4.8296471	11.5288	5.54E-13	1.57E-12	19.04751
LOXL2	1.078223	6.2293703	11.52404	5.60E-13	1.59E-12	19.03651
PAN2	1.069076	5.766775	11.51902	5.66E-13	1.60E-12	19.02491
EIF1B	1.262938	5.3357236	11.51753	5.68E-13	1.61E-12	19.02145
ZNF682	1.101681	4.7127821	11.51163	5.76E-13	1.63E-12	19.00781
BZW2	1.035097	5.3658397	11.50839	5.80E-13	1.64E-12	19.00032
IRF5	1.049389	5.2410871	11.49319	6.00E-13	1.70E-12	18.96515
UPP1	1.021215	5.4652093	11.48429	6.13E-13	1.73E-12	18.94454
ANLN	1.209871	4.0305985	11.47516	6.26E-13	1.77E-12	18.92338
TEC	1.041089	4.8022052	11.4526	6.59E-13	1.86E-12	18.87106
TMEM9B	1.033718	6.9363325	11.43015	6.93E-13	1.95E-12	18.81891
PLEKHA8	1.126311	4.290332	11.42301	7.05E-13	1.98E-12	18.80233
ZNF828	1.002061	5.7805834	11.41711	7.14E-13	2.01E-12	18.78861

C16orf55	1.071801	4.4614204	11.40761	7.30E-13	2.05E-12	18.76653
DCBLD1	1.080108	6.306336	11.39553	7.50E-13	2.11E-12	18.73843
RPUSD2	1.076854	5.243033	11.37818	7.81E-13	2.19E-12	18.69802
NETO2	1.269465	4.2305735	11.37411	7.88E-13	2.21E-12	18.68852
DNHD1	1.167113	5.0881506	11.35899	8.16E-13	2.28E-12	18.65328
ATG4A	1.01915	5.8297331	11.34498	8.42E-13	2.36E-12	18.6206
SETD4	1.003134	5.5207811	11.32886	8.74E-13	2.44E-12	18.58296
TMEM81	1.04101	3.9930382	11.31278	9.07E-13	2.53E-12	18.54538
TUBD1	1.004221	4.8753402	11.27717	9.84E-13	2.74E-12	18.46205
PROK1	1.001886	5.4536269	11.26663	1.01E-12	2.81E-12	18.43736
TFB2M	1.080206	5.6444398	11.22732	1.10E-12	3.07E-12	18.34513
WDR27	1.036649	5.2062591	11.22556	1.11E-12	3.08E-12	18.34099
SMC4	1.226168	6.0838209	11.21171	1.14E-12	3.17E-12	18.30844
ZNF583	1.012795	4.8518622	11.20293	1.17E-12	3.24E-12	18.28779
QSER1	1.013483	5.8477965	11.16772	1.27E-12	3.50E-12	18.20491
UHRF2	1.066551	6.8078141	11.16536	1.27E-12	3.52E-12	18.19935
LOC445341	1.500219	4.1890429	11.16349	1.28E-12	3.54E-12	18.19495
NAA15	1.037363	6.324936	11.1617	1.28E-12	3.55E-12	18.19074
SPTLC3	1.112282	4.4893775	11.15299	1.31E-12	3.62E-12	18.1702
IL23A	1.088094	5.4154824	11.13395	1.37E-12	3.78E-12	18.12527
UBXN8	1.011724	4.4009896	11.10265	1.47E-12	4.06E-12	18.05134
APOL1	1.038231	6.5570099	11.09046	1.52E-12	4.17E-12	18.02249
RAB40A	1.315538	5.2967348	11.08454	1.54E-12	4.22E-12	18.00849
SLC38A9	1.175842	6.1512447	11.07623	1.57E-12	4.30E-12	17.98883
SNRNP48	1.262026	5.8314754	11.06883	1.59E-12	4.37E-12	17.9713
MPHOSPH9	1.137229	4.6263637	11.06546	1.61E-12	4.40E-12	17.96332
GGH	1.004227	3.7396517	11.06274	1.62E-12	4.43E-12	17.95687
RBBP6	1.05161	6.6860821	11.04996	1.66E-12	4.56E-12	17.92658
INPP5F	1.222331	5.8536298	11.03579	1.72E-12	4.71E-12	17.89298

CASS4	1.033934	3.9124405	11.03161	1.74E-12	4.75E-12	17.88304
ABI3	1.190606	5.8424931	11.02332	1.77E-12	4.84E-12	17.86338
MTERFD1	1.046026	4.4219566	11.00702	1.84E-12	5.03E-12	17.82466
B4GALT4	1.099665	5.7673879	10.99089	1.91E-12	5.22E-12	17.78631
ECT2	1.019698	3.7021844	10.97603	1.98E-12	5.40E-12	17.75095
ASXL2	1.006026	6.5529558	10.9316	2.19E-12	5.97E-12	17.64507
PLA2G12A	1.025569	5.318029	10.92143	2.25E-12	6.12E-12	17.62079
MCM6	1.073685	6.2487809	10.90896	2.31E-12	6.29E-12	17.59102
KIAA1841	1.140694	4.9148956	10.90177	2.35E-12	6.39E-12	17.57383
NAA25	1.010658	5.8124386	10.89719	2.38E-12	6.46E-12	17.56289
CYB5R4	1.287342	5.5622974	10.88467	2.45E-12	6.65E-12	17.53294
MOBKL3	1.030402	5.3707573	10.84634	2.68E-12	7.26E-12	17.44117
FIGLA	1.137669	4.8517643	10.84613	2.68E-12	7.26E-12	17.44067
RBM6	1.221159	7.0364911	10.81966	2.86E-12	7.71E-12	17.37718
CKAP2	1.379912	5.2209987	10.81624	2.88E-12	7.77E-12	17.36897
GLI3	1.071763	5.3906398	10.79089	3.06E-12	8.24E-12	17.30807
OCLM	1.275724	4.4728205	10.77727	3.16E-12	8.50E-12	17.27531
EMR2	1.073658	5.1306126	10.77415	3.18E-12	8.56E-12	17.26781
C5orf42	1.120945	5.7385051	10.74599	3.40E-12	9.13E-12	17.20001
ROR2	1.188649	5.2919432	10.74517	3.40E-12	9.15E-12	17.19803
RGL4	1.023172	4.5277628	10.7212	3.60E-12	9.67E-12	17.14022
NLRP3	1.120121	5.278855	10.69617	3.82E-12	1.02E-11	17.0798
ZNF767	1.068505	5.832061	10.65421	4.22E-12	1.13E-11	16.97829
ZNF140	1.00379	5.3551478	10.65385	4.23E-12	1.13E-11	16.97743
C5orf28	1.026121	6.1060225	10.6507	4.26E-12	1.14E-11	16.9698
SERPINB8	1.114262	5.6995953	10.637	4.40E-12	1.17E-11	16.93662
SDCCAG8	1.112778	6.1221928	10.63086	4.47E-12	1.19E-11	16.92172
ZNF441	1.048932	5.7199014	10.60824	4.71E-12	1.25E-11	16.86686
C20orf111	1.210762	5.8790561	10.5986	4.82E-12	1.28E-11	16.84345

RTN4IP1	1.030104	4.2591721	10.59833	4.83E-12	1.28E-11	16.8428
DDX28	1.136843	5.5571081	10.59608	4.85E-12	1.29E-11	16.83733
UTP11L	1.029168	6.7234601	10.58576	4.97E-12	1.32E-11	16.81225
NPPA	1.097074	4.1447899	10.58244	5.01E-12	1.33E-11	16.80418
CDKN3	1.067765	3.726001	10.57264	5.13E-12	1.36E-11	16.78037
FLJ43860	1.135306	5.7817931	10.56479	5.23E-12	1.39E-11	16.76126
CCL1	1.01499	4.0736335	10.55799	5.31E-12	1.41E-11	16.74471
GCH1	1.322757	4.5450447	10.5515	5.40E-12	1.43E-11	16.72892
RSC1A1	1.043596	6.899411	10.54754	5.45E-12	1.44E-11	16.71927
C6orf115	2.018905	5.7331105	10.54605	5.47E-12	1.45E-11	16.71566
IL27RA	1.136072	5.3334971	10.54594	5.47E-12	1.45E-11	16.71539
GPR4	1.247838	5.2259171	10.5421	5.52E-12	1.46E-11	16.70603
UBE2E2	1.056388	6.8144973	10.53852	5.57E-12	1.47E-11	16.69731
ODF2L	1.39963	4.8333326	10.53561	5.61E-12	1.48E-11	16.69021
TTC17	1.003211	7.2053522	10.49838	6.13E-12	1.62E-11	16.59941
ARHGAP9	1.219364	5.6589742	10.49555	6.17E-12	1.63E-11	16.5925
EID2	1.086713	5.2625684	10.47241	6.52E-12	1.72E-11	16.53596
DDX46	1.10993	6.7422621	10.45598	6.79E-12	1.79E-11	16.49578
STX16	1.066953	7.3184424	10.44469	6.97E-12	1.83E-11	16.46815
ZBTB25	1.014682	6.2935516	10.4439	6.99E-12	1.84E-11	16.4662
TAF1B	1.068771	4.386608	10.43225	7.19E-12	1.89E-11	16.43767
ZNF587	1.338008	5.1717567	10.4277	7.26E-12	1.91E-11	16.42652
ATR	1.200828	5.3190232	10.42698	7.28E-12	1.91E-11	16.42476
C1orf97	1.094979	4.2716118	10.42288	7.35E-12	1.93E-11	16.41472
EPHX3	1.203405	4.0141163	10.41867	7.42E-12	1.95E-11	16.4044
SRGAP1	1.163133	5.2395039	10.36066	8.54E-12	2.23E-11	16.26196
RNPC3	1.014707	4.2287883	10.3459	8.85E-12	2.30E-11	16.22565
FBXO11	1.0685	7.196388	10.34473	8.87E-12	2.31E-11	16.22277
OAS2	1.595141	5.7466273	10.34249	8.92E-12	2.32E-11	16.21726

OAS3	1.074016	6.1539861	10.33127	9.17E-12	2.38E-11	16.18964
FKTN	1.018309	5.2229065	10.32906	9.22E-12	2.40E-11	16.18419
RPP14	1.049759	6.2840732	10.32451	9.32E-12	2.42E-11	16.17298
TRAF1	1.176215	5.9812774	10.32146	9.39E-12	2.44E-11	16.16545
C11orf80	1.233877	5.5866009	10.31509	9.54E-12	2.47E-11	16.14975
SNORA44	1.562904	6.261625	10.30599	9.75E-12	2.53E-11	16.12731
PPID	1.164008	6.3766675	10.2894	1.01E-11	2.63E-11	16.08638
RPF1	1.300734	6.9901417	10.27101	1.06E-11	2.75E-11	16.04097
KDM6A	1.365555	5.5798058	10.26957	1.06E-11	2.76E-11	16.03741
C10orf28	1.132366	6.1935952	10.26817	1.07E-11	2.76E-11	16.03396
DUSP14	1.086286	4.9565584	10.26651	1.07E-11	2.77E-11	16.02984
CHD1	1.216638	6.2016155	10.26157	1.09E-11	2.80E-11	16.01764
ADORA2A	1.006755	5.2695472	10.25073	1.11E-11	2.88E-11	15.99083
MTM1	1.020707	6.1629551	10.23251	1.17E-11	3.00E-11	15.94575
PPAPDC1B	1.006422	7.4491069	10.23228	1.17E-11	3.00E-11	15.94517
ALPP	1.0904	4.2284106	10.21502	1.22E-11	3.13E-11	15.90244
HCG8	1.050347	4.1746942	10.19987	1.26E-11	3.24E-11	15.86488
CHD2	1.029164	7.2759607	10.18203	1.32E-11	3.38E-11	15.82062
GNPTAB	1.073583	7.0369749	10.15304	1.41E-11	3.62E-11	15.7486
UBE2A	1.106064	6.2145109	10.15058	1.42E-11	3.64E-11	15.74247
FP6628	1.429491	4.7092528	10.14599	1.44E-11	3.68E-11	15.73107
IRAK3	1.167299	6.3936766	10.13929	1.46E-11	3.73E-11	15.7144
SLC33A1	1.00368	7.6039981	10.11901	1.54E-11	3.92E-11	15.66391
PEX3	1.01194	5.6667712	10.11663	1.55E-11	3.94E-11	15.65798
MAT2A	1.073406	9.4468	10.11606	1.55E-11	3.94E-11	15.65657
ZNF639	1.116997	6.2547091	10.1123	1.56E-11	3.98E-11	15.6472
CA2	1.273151	4.2732471	10.10578	1.59E-11	4.04E-11	15.63096
HAT1	1.404289	5.8256429	10.07508	1.71E-11	4.35E-11	15.55439
RPL37A	1.229366	5.9190466	10.07168	1.73E-11	4.38E-11	15.5459



NBPF11	1.123571	5.8597213	10.05446	1.80E-11	4.56E-11	15.5029
PTRH2	1.236264	4.5092552	10.05184	1.81E-11	4.59E-11	15.49635
FARP1	1.120415	6.2179886	10.04493	1.84E-11	4.66E-11	15.47906
ZNF366	1.106549	5.0765849	10.02179	1.95E-11	4.92E-11	15.42118
LOC100288525	1.000313	4.153894	10.01974	1.96E-11	4.95E-11	15.41604
OLFML2B	1.408484	6.7841675	10.0141	1.99E-11	5.01E-11	15.40192
KIAA1147	1.263787	3.8805634	9.995778	2.08E-11	5.23E-11	15.35603
APC	1.03351	6.0398449	9.975495	2.19E-11	5.50E-11	15.30516
ZNF222	1.033974	3.2551722	9.964432	2.25E-11	5.64E-11	15.27739
C9orf64	1.02974	6.8135873	9.935541	2.41E-11	6.04E-11	15.20481
ZNF177	1.013922	5.8275299	9.934282	2.42E-11	6.06E-11	15.20164
SLC6A6	1.441422	7.2650834	9.923366	2.49E-11	6.22E-11	15.17419
C4orf29	1.082812	5.4492887	9.915661	2.54E-11	6.34E-11	15.1548
ZNF566	1.027788	6.129231	9.914782	2.54E-11	6.35E-11	15.15259
PLEKHA1	1.08252	7.7841922	9.906773	2.59E-11	6.47E-11	15.13242
EPSTI1	1.57665	5.2011833	9.899298	2.64E-11	6.59E-11	15.1136
KDM4C	1.01204	6.5272995	9.889119	2.71E-11	6.75E-11	15.08795
C12orf4	1.161543	5.8819338	9.866956	2.86E-11	7.12E-11	15.03206
GSDMB	1.290043	4.3618087	9.800333	3.38E-11	8.36E-11	14.86367
ST3GAL6	1.225651	5.5161898	9.785748	3.50E-11	8.66E-11	14.82673
KIAA0922	1.106032	6.6760037	9.782898	3.52E-11	8.72E-11	14.81951
SP110	1.1301	6.4851919	9.777516	3.57E-11	8.83E-11	14.80587
ZNF701	1.119664	5.2954512	9.758194	3.75E-11	9.25E-11	14.75687
NUDT22	1.024419	5.8876329	9.755931	3.77E-11	9.30E-11	14.75112
C6orf203	1.378974	5.2661755	9.751434	3.81E-11	9.40E-11	14.73971
C12orf23	1.20947	7.0866168	9.73844	3.94E-11	9.70E-11	14.70672
PIP5K1A	1.499873	4.8403353	9.72202	4.10E-11	1.01E-10	14.665
SLC25A40	1.00228	4.6511021	9.71651	4.16E-11	1.02E-10	14.65099
MIOS	1.128602	5.9400687	9.715069	4.18E-11	1.03E-10	14.64732

DNM1L	1.303381	5.2934884	9.713941	4.19E-11	1.03E-10	14.64445
CCBL2	1.076972	5.8585817	9.710827	4.22E-11	1.04E-10	14.63654
HIVEP2	1.01617	6.6778704	9.710195	4.23E-11	1.04E-10	14.63493
CMTM8	1.104168	5.032154	9.688924	4.46E-11	1.09E-10	14.5808
INS	1.054123	4.0647402	9.682822	4.53E-11	1.11E-10	14.56526
NCRNA00282	1.203075	5.0276999	9.668018	4.70E-11	1.15E-10	14.52753
CRYZL1	1.138002	6.6952198	9.662175	4.77E-11	1.17E-10	14.51264
CAPNS2	1.013474	4.305346	9.656141	4.84E-11	1.18E-10	14.49725
RAD51L1	1.24211	4.7973283	9.649139	4.92E-11	1.20E-10	14.47939
URGCP	1.010554	6.2617783	9.617404	5.33E-11	1.30E-10	14.39835
FAM179A	1.067131	4.5534581	9.606583	5.48E-11	1.33E-10	14.37069
PHLDA1	1.373725	7.0925079	9.604295	5.51E-11	1.34E-10	14.36484
ZNF253	1.215791	4.4797261	9.599207	5.58E-11	1.36E-10	14.35183
CHKA	1.128045	5.0917278	9.586185	5.77E-11	1.40E-10	14.31851
C3orf59	1.165598	5.9128908	9.581515	5.84E-11	1.42E-10	14.30655
SMAGP	1.053984	7.0664544	9.578578	5.88E-11	1.43E-10	14.29903
C6orf204	1.324186	4.8682915	9.573635	5.95E-11	1.44E-10	14.28637
CCDC92	1.090449	5.3902723	9.570196	6.01E-11	1.45E-10	14.27756
ELOVL4	1.02738	4.2705216	9.562174	6.13E-11	1.48E-10	14.25701
PRIM1	1.129898	5.1997912	9.531182	6.63E-11	1.60E-10	14.17752
SP140L	1.370566	5.0835464	9.511509	6.96E-11	1.67E-10	14.127
PLEK2	1.102402	4.4750261	9.509762	7.00E-11	1.68E-10	14.12251
LILRA1	1.160042	4.6814297	9.504336	7.09E-11	1.70E-10	14.10857
FAIM	1.083078	5.9333606	9.502078	7.13E-11	1.71E-10	14.10276
EFCAB2	1.100428	3.9466549	9.495768	7.25E-11	1.74E-10	14.08654
PARVG	1.375549	5.7291682	9.465897	7.82E-11	1.87E-10	14.00967
FMNL3	1.12203	6.6918652	9.458489	7.96E-11	1.91E-10	13.99059
SYTL2	1.394686	5.1088258	9.439699	8.35E-11	2.00E-10	13.94216
RPN2	1.061224	8.400577	9.434232	8.47E-11	2.02E-10	13.92806

C20orf106	1.206454	3.9706447	9.433593	8.48E-11	2.03E-10	13.92641
ANKRD28	1.249961	6.5409603	9.430727	8.55E-11	2.04E-10	13.91902
APOBEC3F	1.140875	5.0393654	9.402436	9.18E-11	2.19E-10	13.84599
KRCC1	1.115574	5.4491301	9.394135	9.38E-11	2.23E-10	13.82454
TM6SF1	1.403287	6.4178804	9.393457	9.39E-11	2.24E-10	13.82278
ZNF14	1.034788	5.1137102	9.363894	1.01E-10	2.41E-10	13.74632
VPS54	1.011474	5.7736101	9.35593	1.03E-10	2.45E-10	13.7257
TIGIT	1.387382	5.1272782	9.330741	1.10E-10	2.61E-10	13.66044
CCDC103	1.073547	4.3008009	9.32662	1.11E-10	2.64E-10	13.64975
PPIL3	1.07246	6.1869217	9.325287	1.12E-10	2.64E-10	13.64629
ZNF480	1.054731	5.325943	9.318137	1.14E-10	2.69E-10	13.62775
MCEE	1.119889	5.6005855	9.303355	1.18E-10	2.79E-10	13.58938
EML4	1.112414	7.5908164	9.300893	1.19E-10	2.81E-10	13.58299
PTS	1.199534	6.6899766	9.293521	1.21E-10	2.86E-10	13.56385
RPS20P27	1.008585	4.4488274	9.262702	1.31E-10	3.09E-10	13.48373
LOC283314	1.235977	4.3889788	9.249443	1.36E-10	3.19E-10	13.44923
TARBP1	1.204272	6.0596727	9.235044	1.41E-10	3.30E-10	13.41173
DYSF	1.008575	5.7978217	9.205846	1.52E-10	3.55E-10	13.33562
CREM	1.095587	4.2557608	9.199253	1.54E-10	3.61E-10	13.31842
VEGFC	1.218089	6.433737	9.196697	1.55E-10	3.63E-10	13.31174
VRK1	1.255296	4.9547572	9.183469	1.61E-10	3.75E-10	13.27721
SOAT1	1.156043	7.3255465	9.149818	1.75E-10	4.08E-10	13.18925
ARHGAP28	1.073997	3.7302383	9.1416	1.79E-10	4.16E-10	13.16775
RBAK	1.213061	5.9466637	9.133315	1.83E-10	4.25E-10	13.14606
C11orf24	1.040249	7.0023819	9.100525	1.99E-10	4.60E-10	13.06015
TMEM136	1.096122	4.7204876	9.099372	2.00E-10	4.62E-10	13.05712
SLC46A3	1.179648	6.0788279	9.091086	2.04E-10	4.71E-10	13.03539
SLC20A1	1.274267	7.0168429	9.084329	2.07E-10	4.79E-10	13.01766
SENP7	1.130445	6.3866915	9.079652	2.10E-10	4.85E-10	13.00538

FAS	1.017938	6.9301908	9.074501	2.13E-10	4.91E-10	12.99186
COL15A1	1.283128	7.2160525	9.06993	2.15E-10	4.97E-10	12.97986
PLCB2	1.032995	5.7888262	9.069115	2.16E-10	4.98E-10	12.97772
SEC24A	1.195656	6.355058	9.041886	2.32E-10	5.33E-10	12.90616
DNAJC19	1.16529	4.3964977	9.030179	2.39E-10	5.49E-10	12.87536
ADAMTS15	1.060208	5.3851631	9.024237	2.42E-10	5.57E-10	12.85973
ACTR6	1.155772	4.7294472	9.023512	2.43E-10	5.58E-10	12.85782
HTRA4	1.017954	5.1307378	9.020892	2.44E-10	5.62E-10	12.85092
TPP1	1.029231	7.746025	9.016386	2.47E-10	5.68E-10	12.83906
SLC30A7	1.123491	7.3259795	9.004079	2.55E-10	5.86E-10	12.80664
ZNF468	1.12186	4.8679334	8.995533	2.61E-10	5.98E-10	12.78412
DERA	1.215034	6.1507494	8.986347	2.67E-10	6.12E-10	12.75991
FGF9	1.543615	4.291661	8.984842	2.68E-10	6.14E-10	12.75594
ANKRD32	1.094679	3.8577572	8.978115	2.73E-10	6.25E-10	12.7382
NUDT5	1.195421	4.8400797	8.953657	2.91E-10	6.64E-10	12.67364
E2F6	1.473285	4.5421975	8.943674	2.99E-10	6.81E-10	12.64727
FAM38B	1.321348	4.0923129	8.943582	2.99E-10	6.81E-10	12.64703
CST2	1.093643	4.234753	8.938219	3.03E-10	6.90E-10	12.63285
CCDC111	1.008342	5.3984998	8.915951	3.21E-10	7.30E-10	12.57397
IFT20	1.202041	6.7415915	8.913707	3.23E-10	7.34E-10	12.56803
ASPHD2	1.036953	4.904124	8.90823	3.28E-10	7.44E-10	12.55354
C9orf85	1.019692	5.7349175	8.896166	3.38E-10	7.67E-10	12.5216
HOXA5	1.061781	4.8897857	8.891654	3.42E-10	7.75E-10	12.50965
MYST3	1.00514	7.184278	8.882519	3.50E-10	7.93E-10	12.48544
SLED1	1.170699	3.5685559	8.882243	3.51E-10	7.94E-10	12.48471
SYNRG	1.192398	6.7492529	8.877455	3.55E-10	8.03E-10	12.47202
SLC35B1	1.146108	6.6042642	8.863879	3.68E-10	8.31E-10	12.43603
SECISBP2	1.147395	6.412213	8.852499	3.79E-10	8.55E-10	12.40583
ABCC4	1.050044	5.4771709	8.839013	3.92E-10	8.85E-10	12.37003

CEP110	1.243732	5.1338626	8.823828	4.08E-10	9.19E-10	12.32969
PRPF38B	1.061769	7.0925821	8.822072	4.10E-10	9.23E-10	12.32503
PCF11	1.115738	7.4826146	8.818568	4.14E-10	9.32E-10	12.31571
ZNF83	1.332602	6.9922547	8.813556	4.20E-10	9.43E-10	12.30239
AKT3	1.098973	6.7845672	8.802116	4.32E-10	9.71E-10	12.27197
TMEM200A	1.455655	4.56177	8.799461	4.35E-10	9.77E-10	12.2649
MRO	1.090806	3.6740948	8.792068	4.44E-10	9.95E-10	12.24523
PRF1	1.269487	5.8886034	8.790441	4.46E-10	9.99E-10	12.2409
RCAN3	1.502825	5.5035473	8.786982	4.50E-10	1.01E-09	12.23169
BAZ1A	1.336674	5.5763811	8.783642	4.54E-10	1.02E-09	12.2228
TAF9	1.219268	4.1841089	8.782807	4.55E-10	1.02E-09	12.22058
SNX24	1.027679	5.0585745	8.756778	4.87E-10	1.09E-09	12.15123
IL21R	1.119296	4.8766446	8.754466	4.90E-10	1.09E-09	12.14507
ACER3	1.186173	5.4684155	8.748044	4.98E-10	1.11E-09	12.12794
DKFZP586I1420	1.117617	4.9621138	8.747193	4.99E-10	1.11E-09	12.12567
SH3KBP1	1.148958	7.2156497	8.747077	4.99E-10	1.11E-09	12.12536
AASDH	1.215185	4.5602252	8.727386	5.26E-10	1.17E-09	12.07282
CXCR7	1.027348	3.8295317	8.713272	5.46E-10	1.21E-09	12.03513
SPTLC2	1.07262	7.049207	8.712494	5.47E-10	1.22E-09	12.03305
STAMBPL1	1.524513	4.0327755	8.703579	5.60E-10	1.24E-09	12.00923
FHL3	1.312337	6.1586063	8.702833	5.61E-10	1.24E-09	12.00723
PIGA	1.085553	5.938016	8.684897	5.88E-10	1.30E-09	11.95928
CMIP	1.130463	6.0267272	8.6776	6.00E-10	1.33E-09	11.93976
UBA5	1.056065	7.6724465	8.671262	6.10E-10	1.35E-09	11.92279
STK38	1.040794	7.4704494	8.658656	6.30E-10	1.39E-09	11.88904
SCML1	1.052203	5.2600503	8.657847	6.32E-10	1.39E-09	11.88688
IFI44	1.725782	5.6004545	8.655317	6.36E-10	1.40E-09	11.8801
SNRPA1	1.323589	4.8788545	8.640733	6.61E-10	1.46E-09	11.84102
COL4A1	1.14982	8.1820104	8.636997	6.67E-10	1.47E-09	11.83101

ITGB1BP1	1.054537	6.3701005	8.624815	6.89E-10	1.51E-09	11.79834
STARD5	1.451093	5.0295604	8.614802	7.08E-10	1.55E-09	11.77148
C20orf112	1.493313	3.781042	8.57336	7.90E-10	1.73E-09	11.66016
NOP58	1.141679	7.2935036	8.561686	8.15E-10	1.78E-09	11.62876
SLC5A4	1.073136	4.7607588	8.525964	8.96E-10	1.95E-09	11.53258
FAM174A	1.103888	6.6865346	8.510058	9.34E-10	2.03E-09	11.48971
ERLIN1	1.149966	6.4292219	8.490255	9.85E-10	2.13E-09	11.43629
SERPINB9	1.315244	6.0685927	8.481587	1.01E-09	2.18E-09	11.41289
ELOVL2	1.07347	3.9317864	8.474689	1.03E-09	2.22E-09	11.39426
NUDCD1	1.149036	5.4245995	8.455418	1.08E-09	2.33E-09	11.34219
CLEC4A	1.529758	5.0891064	8.447833	1.10E-09	2.37E-09	11.32168
LPXN	1.2354	6.6929691	8.443675	1.11E-09	2.40E-09	11.31044
MYSM1	1.106081	6.905513	8.43624	1.14E-09	2.44E-09	11.29032
WBP4	1.015169	4.7209711	8.420506	1.19E-09	2.54E-09	11.24774
SSNA1	1.106383	5.8307515	8.412647	1.21E-09	2.60E-09	11.22646
TSHZ3	1.058592	5.6745827	8.410964	1.22E-09	2.61E-09	11.2219
FNBP4	1.108963	7.1125214	8.402258	1.24E-09	2.66E-09	11.19831
LY6G5B	1.084656	5.9792949	8.369559	1.36E-09	2.90E-09	11.10964
PAPSS2	1.057843	6.4937195	8.363269	1.38E-09	2.94E-09	11.09257
SNAI1	1.382432	5.1485829	8.358752	1.40E-09	2.98E-09	11.08031
AHI1	1.012549	6.2487738	8.351509	1.43E-09	3.03E-09	11.06064
EPHA6	-1.10294	4.0998686	-8.32676	1.52E-09	3.23E-09	10.9934
EIF4H	1.026104	7.7030058	8.311665	1.59E-09	3.36E-09	10.95234
C20orf165	1.040086	4.3118254	8.306092	1.61E-09	3.41E-09	10.93717
P2RY13	1.42579	5.4159309	8.300175	1.64E-09	3.46E-09	10.92107
PAG1	1.421435	5.9752437	8.296929	1.65E-09	3.49E-09	10.91223
KRTAP4-11	1.196041	4.0089154	8.287559	1.69E-09	3.57E-09	10.88672
C11orf21	1.014531	5.3294944	8.269315	1.78E-09	3.74E-09	10.83701
KLHL5	1.010097	6.8361712	8.239587	1.93E-09	4.04E-09	10.75593

LOC100130916	1.16566	4.3401511	8.237682	1.94E-09	4.06E-09	10.75073
REL	1.460013	5.9395011	8.234743	1.95E-09	4.09E-09	10.74271
PLEKHH2	1.171908	5.6088972	8.231112	1.97E-09	4.13E-09	10.73279
GZMA	1.635497	5.0419271	8.218816	2.04E-09	4.26E-09	10.69921
PNPLA8	1.103199	6.2512723	8.217872	2.04E-09	4.27E-09	10.69663
ITGB7	1.17805	5.7975932	8.199079	2.15E-09	4.48E-09	10.64527
INE1	1.038321	4.4994942	8.187751	2.21E-09	4.61E-09	10.61429
ETV5	1.041351	6.3275902	8.175125	2.29E-09	4.76E-09	10.57975
ST6GAL1	1.320373	7.6187178	8.171354	2.31E-09	4.81E-09	10.56942
RNF213	1.059499	7.4650026	8.170564	2.32E-09	4.82E-09	10.56726
NGLY1	1.030263	6.428049	8.168025	2.34E-09	4.85E-09	10.56031
C16orf61	1.062385	5.5039346	8.157041	2.41E-09	4.99E-09	10.53023
RAPGEF4	1.35697	4.6372487	8.141786	2.51E-09	5.19E-09	10.48843
ARID4A	1.022941	6.3702679	8.131348	2.58E-09	5.33E-09	10.45982
C9orf72	1.091365	5.6093969	8.129909	2.59E-09	5.35E-09	10.45587
HELB	1.252057	5.3173289	8.103575	2.78E-09	5.72E-09	10.38362
NR5A2	1.300516	5.0054305	8.098389	2.82E-09	5.80E-09	10.36938
SAMD9	1.381423	5.6796612	8.094243	2.85E-09	5.86E-09	10.35799
FAM20A	1.178068	5.4614253	8.091826	2.87E-09	5.90E-09	10.35135
STAT4	1.424256	4.5060806	8.085824	2.92E-09	5.99E-09	10.33487
SQLE	1.025452	6.1488674	8.080934	2.96E-09	6.07E-09	10.32143
ENC1	1.554292	5.8046718	8.072975	3.02E-09	6.20E-09	10.29956
LUC7L3	1.300383	7.7384706	8.072669	3.02E-09	6.20E-09	10.29872
SIRPB2	1.208381	4.5567207	8.053316	3.19E-09	6.52E-09	10.24549
LOC100132686	1.06381	3.895135	8.038828	3.31E-09	6.77E-09	10.20562
COL6A3	1.34321	8.4589459	8.038185	3.32E-09	6.78E-09	10.20385
C14orf139	1.004157	6.5004634	8.034623	3.35E-09	6.84E-09	10.19405
TRAPPC2	1.064744	3.5288405	8.021815	3.47E-09	7.07E-09	10.15877
ZMAT1	1.161895	4.9495692	8.016584	3.52E-09	7.17E-09	10.14436

ASF1A	1.034982	5.3677209	8.012693	3.56E-09	7.24E-09	10.13364
CRABP1	1.203168	4.7218666	8.000289	3.68E-09	7.48E-09	10.09945
TGFBI	1.375611	8.243466	7.994849	3.73E-09	7.58E-09	10.08444
ORMDL1	1.150738	6.2878549	7.983744	3.85E-09	7.80E-09	10.05381
SLFN13	1.236843	4.9594264	7.975392	3.94E-09	7.97E-09	10.03076
SMC2	1.012936	5.1864997	7.97175	3.98E-09	8.05E-09	10.02071
TMTC2	1.103933	4.1193544	7.969904	4.00E-09	8.09E-09	10.01561
PELI1	1.358192	6.8221191	7.967415	4.02E-09	8.14E-09	10.00874
KNTC1	1.385066	4.8578337	7.958737	4.12E-09	8.32E-09	9.984775
FAR2	1.523943	4.9003838	7.950738	4.21E-09	8.50E-09	9.962677
IL1RN	1.124857	4.2459871	7.893875	4.92E-09	9.86E-09	9.805383
SAMD3	1.228101	3.6263754	7.880019	5.11E-09	1.02E-08	9.767
HIF1A	1.245012	8.3579703	7.87669	5.16E-09	1.03E-08	9.757775
MGAT4A	1.446875	6.1034404	7.867718	5.28E-09	1.06E-08	9.732905
RPS6KA5	1.177836	4.9754525	7.86295	5.35E-09	1.07E-08	9.719687
BCL2L11	1.515391	4.9266022	7.859317	5.41E-09	1.08E-08	9.709611
CRYZ	1.008513	6.4034621	7.854599	5.48E-09	1.09E-08	9.696526
PDE4B	1.490276	5.4501332	7.84729	5.59E-09	1.11E-08	9.676249
ANKRD44	1.212756	7.1387397	7.845047	5.62E-09	1.12E-08	9.670025
MIS12	1.124055	6.5496129	7.843698	5.64E-09	1.12E-08	9.666282
LOC100287290	1.009555	4.7278716	7.840723	5.69E-09	1.13E-08	9.658025
STARD4	1.051691	6.0737609	7.832353	5.82E-09	1.16E-08	9.634791
CHN1	1.007503	6.1644796	7.82831	5.89E-09	1.17E-08	9.623566
KYNU	1.850508	4.6020297	7.82713	5.90E-09	1.17E-08	9.620289
6-Sep	1.384549	6.1629822	7.820735	6.01E-09	1.19E-08	9.60253
NRXN3	1.099075	4.9260689	7.783527	6.66E-09	1.32E-08	9.499103
B3GNT5	1.25664	5.1331401	7.76279	7.05E-09	1.39E-08	9.441397
RUNX2	1.013376	5.6560183	7.755925	7.18E-09	1.42E-08	9.422282
KIAA0907	1.202706	5.9028178	7.754732	7.20E-09	1.42E-08	9.418958



COL1A1	1.9583	9.5774086	7.746839	7.36E-09	1.45E-08	9.396975
BTAF1	1.025356	7.2080743	7.746274	7.37E-09	1.45E-08	9.395402
EDEM1	1.009751	6.8368859	7.740364	7.49E-09	1.47E-08	9.378936
RCSD1	1.004058	6.7327686	7.737044	7.56E-09	1.49E-08	9.369684
COL1A2	1.136787	11.275897	7.735223	7.60E-09	1.49E-08	9.364608
ZNF22	1.076373	5.517939	7.727067	7.77E-09	1.53E-08	9.341875
SPATS2	1.005535	6.2711511	7.718135	7.97E-09	1.56E-08	9.316968
ZNF195	1.167947	5.5023275	7.69676	8.45E-09	1.65E-08	9.257332
SF3B14	1.196144	7.0818338	7.686783	8.69E-09	1.70E-08	9.229478
MACC1	1.282147	4.1091527	7.685239	8.72E-09	1.70E-08	9.225169
DMTF1	1.092153	7.4139261	7.681052	8.82E-09	1.72E-08	9.213476
ITGB3BP	1.344969	5.5329434	7.668388	9.14E-09	1.78E-08	9.178099
ALG6	1.023691	4.1178058	7.664841	9.23E-09	1.79E-08	9.168185
ZNF154	1.194354	5.1590607	7.66122	9.32E-09	1.81E-08	9.158067
ADPGK	1.037814	5.9833252	7.661078	9.32E-09	1.81E-08	9.157669
DGKA	1.093768	6.8541043	7.660048	9.35E-09	1.82E-08	9.15479
ITM2C	1.135487	7.7954849	7.628499	1.02E-08	1.97E-08	9.066552
C14orf126	1.029578	5.6166098	7.626062	1.03E-08	1.99E-08	9.059733
TOR3A	1.023672	5.8382081	7.623166	1.04E-08	2.00E-08	9.051628
MTSS1	1.323497	6.5164058	7.59587	1.12E-08	2.15E-08	8.975183
ZFYVE16	1.088762	6.4101878	7.595264	1.12E-08	2.15E-08	8.973487
IL18RAP	1.037324	3.7633809	7.587547	1.14E-08	2.20E-08	8.951861
OLR1	1.655482	4.4125758	7.580594	1.16E-08	2.24E-08	8.93237
CCDC53	1.031231	6.3667338	7.564459	1.22E-08	2.33E-08	8.887121
MED4	1.122701	6.9159135	7.562073	1.23E-08	2.35E-08	8.880428
ARGLU1	1.061675	8.0025755	7.558273	1.24E-08	2.37E-08	8.869765
NPAT	1.033892	7.0504917	7.539042	1.31E-08	2.49E-08	8.815787
HEG1	1.087398	8.127185	7.536304	1.32E-08	2.51E-08	8.808097
ACAD11	1.084259	6.7660676	7.52325	1.37E-08	2.60E-08	8.77143

RASGEF1B	1.412748	5.7175509	7.496891	1.47E-08	2.79E-08	8.697338
FAM78A	1.030998	5.561246	7.492191	1.49E-08	2.82E-08	8.684119
P2RX7	1.107927	5.2745295	7.482884	1.53E-08	2.89E-08	8.657935
DTX3L	1.02304	6.8508187	7.48178	1.53E-08	2.90E-08	8.654829
EMB	1.313589	6.885083	7.475219	1.56E-08	2.95E-08	8.636367
GCA	1.107322	5.8090353	7.474925	1.56E-08	2.95E-08	8.635537
HGSNAT	1.036832	7.1942261	7.471975	1.57E-08	2.98E-08	8.627234
ERP27	1.237465	3.6340237	7.465718	1.60E-08	3.03E-08	8.60962
LAMA3	1.083584	5.1356015	7.452726	1.66E-08	3.13E-08	8.573035
GCNT4	1.048593	5.6259037	7.446178	1.69E-08	3.19E-08	8.554587
LSM5	1.047224	4.253462	7.441606	1.71E-08	3.22E-08	8.541707
C7orf25	1.002015	5.7066926	7.432323	1.76E-08	3.31E-08	8.515542
C1orf38	1.062486	5.8668441	7.430076	1.77E-08	3.33E-08	8.50921
PGM3	1.081876	6.7813676	7.428662	1.78E-08	3.34E-08	8.505222
SRSF7	1.079239	7.7178454	7.412703	1.86E-08	3.48E-08	8.460217
IL16	1.149099	5.8736585	7.409684	1.87E-08	3.51E-08	8.451702
CARD8	1.164019	6.7540659	7.405715	1.89E-08	3.55E-08	8.440505
HIBCH	1.172219	6.7969582	7.367583	2.11E-08	3.93E-08	8.332841
ST8SIA4	1.703432	6.2123888	7.360211	2.15E-08	4.01E-08	8.312012
OSTF1	1.100954	7.8506078	7.3592	2.16E-08	4.02E-08	8.309154
F2RL2	1.025782	3.7210151	7.355516	2.18E-08	4.06E-08	8.298743
LOC100132099	1.520827	4.8014095	7.342861	2.26E-08	4.20E-08	8.262966
GOLGA4	1.014631	7.4934194	7.342064	2.26E-08	4.21E-08	8.26071
LEF1	1.907787	4.6289324	7.337595	2.29E-08	4.26E-08	8.248073
RAG1AP1	1.064837	6.3706079	7.333075	2.32E-08	4.31E-08	8.235289
UBE2J1	1.146062	6.7523172	7.32899	2.35E-08	4.35E-08	8.223732
NTF3	1.006003	4.9703571	7.323651	2.38E-08	4.42E-08	8.208627
JAK3	1.035436	5.7449916	7.316746	2.43E-08	4.50E-08	8.189086
COL3A1	1.350401	10.416952	7.312744	2.46E-08	4.55E-08	8.177758

RP9P	1.292274	6.3757781	7.309264	2.48E-08	4.59E-08	8.167908
RGS16	1.053035	6.3133903	7.301695	2.53E-08	4.68E-08	8.146478
TLR8	1.161862	5.0023782	7.300535	2.54E-08	4.70E-08	8.143192
PIGF	1.117139	4.2533433	7.300243	2.54E-08	4.70E-08	8.142364
RABL2B	1.139472	6.8382112	7.293735	2.59E-08	4.78E-08	8.123932
CALML4	1.098744	5.4281759	7.292313	2.60E-08	4.80E-08	8.119907
CLEC7A	1.577143	5.1510878	7.283061	2.67E-08	4.92E-08	8.093695
FBXW7	1.20238	5.9521921	7.270085	2.77E-08	5.09E-08	8.056918
HHEX	1.057766	6.5167844	7.267529	2.79E-08	5.13E-08	8.049672
ITPR3	1.021536	5.6533219	7.262996	2.82E-08	5.19E-08	8.036821
C15orf5	1.649042	4.856482	7.262381	2.83E-08	5.20E-08	8.035075
PMS2CL	1.166563	4.6523165	7.25998	2.85E-08	5.23E-08	8.028268
CRLF3	1.132452	7.207263	7.246261	2.96E-08	5.42E-08	7.989355
LYN	1.252394	6.6609656	7.2393	3.02E-08	5.52E-08	7.969606
ATG4C	1.092397	5.5131755	7.217085	3.21E-08	5.86E-08	7.906543
SLC7A7	1.028808	5.9037545	7.195269	3.42E-08	6.21E-08	7.844569
SULF1	1.487073	8.9456211	7.1819	3.55E-08	6.44E-08	7.806568
GPR141	1.329658	4.5215272	7.167594	3.69E-08	6.69E-08	7.765886
CDH6	1.388998	5.8502364	7.146693	3.92E-08	7.07E-08	7.706418
TMEM2	1.413898	6.8078503	7.139741	3.99E-08	7.20E-08	7.686626
NCRNA00287	1.049638	4.9422853	7.137698	4.02E-08	7.24E-08	7.68081
SSTR4	1.066084	5.3395244	7.120704	4.21E-08	7.58E-08	7.632415
B3GALT2	1.152298	3.930663	7.117334	4.25E-08	7.65E-08	7.622813
EPB41	1.022105	6.0865113	7.102349	4.44E-08	7.96E-08	7.580111
C1QTNF3	1.129502	5.3569921	7.100705	4.46E-08	8.00E-08	7.575427
BCL11A	1.047148	4.4109566	7.099446	4.47E-08	8.03E-08	7.571837
FAIM3	2.031467	5.0888321	7.089476	4.60E-08	8.24E-08	7.543415
VAV1	1.08147	5.4746482	7.089083	4.61E-08	8.25E-08	7.542293
GPR137B	1.103892	7.2935471	7.086858	4.64E-08	8.30E-08	7.535947

IVNS1ABP	1.07082	8.1162914	7.086588	4.64E-08	8.30E-08	7.535177
TMEM154	1.266554	5.3751431	7.072797	4.82E-08	8.62E-08	7.495844
PARP14	1.107759	7.6356438	7.032477	5.41E-08	9.60E-08	7.380742
EFHC1	1.01591	5.5809886	7.024809	5.52E-08	9.80E-08	7.358839
HIST2H2BF	1.007311	5.1772476	7.021453	5.58E-08	9.89E-08	7.349248
PTPRJ	1.045322	6.6935041	7.018451	5.62E-08	9.97E-08	7.340672
SLC38A6	1.046287	6.2243172	7.013216	5.71E-08	1.01E-07	7.32571
NCRNA00152	1.297681	5.3148348	7.010334	5.76E-08	1.02E-07	7.317472
LCK	1.165448	5.728994	7.006178	5.82E-08	1.03E-07	7.305592
COL12A1	1.379918	7.6600661	7.001877	5.89E-08	1.04E-07	7.293298
DOCK4	1.058836	6.7273793	6.977605	6.31E-08	1.11E-07	7.223876
LOC100131826	1.429888	4.9621189	6.971216	6.43E-08	1.13E-07	7.205596
C12orf35	1.543326	8.1503277	6.970861	6.44E-08	1.13E-07	7.204579
SASH3	1.089269	5.897333	6.96888	6.47E-08	1.14E-07	7.19891
PHC1	1.051356	5.4579806	6.964088	6.56E-08	1.15E-07	7.185195
PTGDR	1.442417	5.4303446	6.959593	6.65E-08	1.17E-07	7.172328
INPP5D	1.160413	6.7156776	6.932477	7.18E-08	1.26E-07	7.094678
OSMR	1.022675	8.0521257	6.930654	7.21E-08	1.26E-07	7.089455
SPOCK2	1.25464	5.4587818	6.920289	7.43E-08	1.30E-07	7.059755
OSBPL3	1.345123	5.6745772	6.91104	7.63E-08	1.33E-07	7.033243
CMAH	1.042232	7.4676935	6.896577	7.95E-08	1.39E-07	6.991774
FKBP11	1.103655	5.745864	6.895532	7.97E-08	1.39E-07	6.98878
BTK	1.419797	5.2344534	6.889004	8.12E-08	1.42E-07	6.970055
FCGR3A	1.734791	7.7587699	6.882392	8.27E-08	1.44E-07	6.951088
DNAJC8	1.257688	4.8740886	6.874098	8.47E-08	1.47E-07	6.927289
SLC7A6	1.076287	6.3263522	6.873309	8.49E-08	1.48E-07	6.925027
LRRC8B	1.38328	5.0887158	6.861873	8.77E-08	1.52E-07	6.892204
BMP2K	1.029033	7.3775363	6.858736	8.85E-08	1.54E-07	6.883199
C7orf54	1.425173	4.7094434	6.842968	9.26E-08	1.60E-07	6.837922

GPR18	1.114213	3.9789148	6.827807	9.66E-08	1.67E-07	6.794369
CCDC109B	1.841474	5.8680088	6.819447	9.90E-08	1.71E-07	6.770345
FTL	1.27588	5.8636861	6.818146	9.93E-08	1.72E-07	6.766606
C14orf106	1.091744	5.105088	6.815065	1.00E-07	1.73E-07	6.757753
MS4A14	1.118996	4.9690546	6.810747	1.01E-07	1.75E-07	6.745341
TLR2	1.120145	6.3423343	6.796884	1.06E-07	1.82E-07	6.705482
CD83	1.02962	6.6246964	6.796189	1.06E-07	1.82E-07	6.703485
TTC39C	1.250137	4.7965149	6.784671	1.09E-07	1.88E-07	6.670359
C13orf18	1.249269	5.379526	6.778697	1.11E-07	1.91E-07	6.653173
LY75	1.034753	6.4353613	6.770906	1.14E-07	1.95E-07	6.630755
PLAU	1.06816	6.9100873	6.76334	1.16E-07	1.99E-07	6.608981
HEATR5A	1.109331	6.157878	6.760928	1.17E-07	2.01E-07	6.602038
TMEM45A	1.224255	6.9254871	6.736751	1.25E-07	2.14E-07	6.532428
CENPC1	1.024985	7.6139546	6.736121	1.26E-07	2.15E-07	6.530613
ENTPD1	1.087839	7.5987991	6.73509	1.26E-07	2.15E-07	6.527643
FAM105A	1.196741	5.560207	6.734558	1.26E-07	2.16E-07	6.526111
GOLM1	1.191029	6.4831366	6.717411	1.32E-07	2.26E-07	6.476713
CISD1	1.279284	6.9026719	6.70911	1.36E-07	2.31E-07	6.45279
ANPEP	1.040951	5.8343547	6.70232	1.38E-07	2.36E-07	6.433219
BTN3A3	1.130672	5.8442801	6.690521	1.43E-07	2.43E-07	6.399202
CLK1	1.003064	7.7458973	6.645542	1.63E-07	2.75E-07	6.269437
LRMP	1.379267	4.4870238	6.645123	1.63E-07	2.76E-07	6.268227
PTPN6	1.232475	6.7369714	6.644885	1.63E-07	2.76E-07	6.26754
ARL4C	1.170386	6.6542777	6.622476	1.74E-07	2.93E-07	6.202837
RARB	1.031005	5.0733066	6.620155	1.75E-07	2.95E-07	6.196134
IL32	1.210938	6.7673228	6.619059	1.75E-07	2.96E-07	6.192968
VAV3	1.218957	4.4627528	6.616313	1.77E-07	2.98E-07	6.185037
SAMSN1	1.461111	4.3293415	6.608475	1.81E-07	3.05E-07	6.162393
IL7	1.030896	4.9832421	6.606798	1.82E-07	3.06E-07	6.157549

LXN	1.119996	4.2412396	6.597888	1.86E-07	3.14E-07	6.131802
TFEC	1.511084	4.9341212	6.595268	1.88E-07	3.16E-07	6.124231
SH2D1A	1.577284	4.607677	6.591778	1.90E-07	3.19E-07	6.114144
RTP4	1.028355	6.0395441	6.582778	1.95E-07	3.27E-07	6.088132
CYTH1	1.133806	6.8973881	6.57865	1.97E-07	3.31E-07	6.076198
LOC100506975	1.151383	5.3211521	6.55849	2.09E-07	3.49E-07	6.017901
CHML	1.103174	5.8795657	6.557183	2.10E-07	3.51E-07	6.014121
FUCA1	1.042333	7.1463802	6.553501	2.12E-07	3.54E-07	6.003469
CBLN4	1.455583	4.3877549	6.537866	2.22E-07	3.70E-07	5.958234
MOXD1	1.916494	4.9169742	6.532565	2.25E-07	3.75E-07	5.942893
TMEM119	1.452394	6.0325929	6.529568	2.27E-07	3.78E-07	5.934221
EGR2	1.637226	6.9598622	6.516756	2.35E-07	3.92E-07	5.897135
SFRP4	1.682791	9.3151023	6.511393	2.39E-07	3.98E-07	5.881608
MEI1	1.436859	4.6772627	6.5071	2.42E-07	4.02E-07	5.869179
FCRL3	1.074737	4.0603662	6.504408	2.44E-07	4.05E-07	5.861382
DOCK10	1.236185	7.4014911	6.483537	2.59E-07	4.29E-07	5.800934
PI15	1.176321	4.0064251	6.468497	2.70E-07	4.47E-07	5.757355
CXorf21	1.449249	4.296186	6.463482	2.74E-07	4.53E-07	5.74282
LY86	1.335065	5.911346	6.454402	2.82E-07	4.65E-07	5.716503
HSPH1	1.009912	7.2850844	6.447437	2.87E-07	4.74E-07	5.696313
RNASET2	1.23744	7.5057332	6.443073	2.91E-07	4.80E-07	5.683659
PRKCQ	1.13353	4.2694216	6.44067	2.93E-07	4.83E-07	5.676692
TBXAS1	1.041541	6.3769026	6.437073	2.96E-07	4.88E-07	5.666264
SLC15A2	1.187202	4.7140028	6.416088	3.14E-07	5.16E-07	5.605399
TNFAIP6	1.870477	5.4753029	6.39593	3.33E-07	5.46E-07	5.546914
C6orf192	1.190209	5.9749515	6.39203	3.37E-07	5.51E-07	5.535593
DMXL2	1.003544	6.4186049	6.380705	3.48E-07	5.69E-07	5.502723
NFIL3	1.509449	5.7246152	6.342179	3.89E-07	6.32E-07	5.390848
EVI2A	1.560261	4.3771862	6.337578	3.94E-07	6.40E-07	5.377484

SKAP1	1.250522	4.1294121	6.327395	4.06E-07	6.59E-07	5.347898
LOC147727	1.039708	4.804741	6.325733	4.08E-07	6.61E-07	5.34307
APLN	1.165309	5.6799857	6.321245	4.13E-07	6.69E-07	5.330027
TGFB3	1.015532	7.4945789	6.319967	4.15E-07	6.71E-07	5.326314
ESM1	1.562525	4.8648536	6.308279	4.29E-07	6.94E-07	5.292346
NKTR	1.035051	7.4445062	6.296768	4.44E-07	7.16E-07	5.258885
PYHIN1	1.125805	4.9342171	6.294495	4.47E-07	7.20E-07	5.252275
AVEN	1.089416	6.2547581	6.28765	4.56E-07	7.34E-07	5.232375
CREB3L2	1.009208	7.5632441	6.286694	4.57E-07	7.36E-07	5.229595
GPR183	1.920685	5.974487	6.277395	4.69E-07	7.55E-07	5.202557
TNFAIP3	1.254124	6.3039882	6.275166	4.72E-07	7.60E-07	5.196074
IL1R1	1.038568	7.8107746	6.243718	5.17E-07	8.29E-07	5.104596
GALNT1	1.052912	6.6600564	6.240453	5.22E-07	8.36E-07	5.095094
WDFY4	1.190697	5.3768091	6.24032	5.22E-07	8.36E-07	5.094707
CD300A	1.056233	6.1560448	6.234167	5.32E-07	8.51E-07	5.076802
TRAF3IP3	1.431903	4.9976947	6.226618	5.44E-07	8.69E-07	5.054835
NUP210	1.044336	5.8432772	6.210566	5.69E-07	9.09E-07	5.008112
RASSF4	1.055721	6.1224423	6.200326	5.87E-07	9.34E-07	4.9783
CD3E	1.402972	5.1680086	6.181996	6.19E-07	9.81E-07	4.924926
MNDA	1.246027	5.6275165	6.174744	6.32E-07	1.00E-06	4.903806
CXCL2	1.543668	3.9809583	6.167093	6.46E-07	1.02E-06	4.881521
PHTF2	1.070145	6.7577605	6.163404	6.53E-07	1.03E-06	4.870774
GK	1.057132	5.4416575	6.160069	6.59E-07	1.04E-06	4.861058
CD4	1.131093	6.8997366	6.159998	6.59E-07	1.04E-06	4.860851
CILP	1.157432	5.1915897	6.159252	6.61E-07	1.04E-06	4.858678
STC1	1.178511	5.2154594	6.154509	6.70E-07	1.06E-06	4.844861
CR1	1.4558	5.4721295	6.147699	6.83E-07	1.08E-06	4.82502
ARHGAP18	1.053417	6.7277303	6.144444	6.90E-07	1.09E-06	4.815538
C20orf103	1.573248	4.8221634	6.135755	7.07E-07	1.11E-06	4.790219

ACAN	1.369465	5.8161531	6.126747	7.26E-07	1.14E-06	4.763966
ENPEP	1.339792	3.9620026	6.116505	7.48E-07	1.17E-06	4.734115
ITGAL	1.224636	5.6748707	6.11399	7.53E-07	1.18E-06	4.726786
HAVCR2	1.119268	5.9272749	6.088421	8.12E-07	1.27E-06	4.652242
AHSA2	1.156481	6.6591195	6.086224	8.17E-07	1.28E-06	4.645839
ANK3	1.17159	5.9309521	6.073411	8.48E-07	1.33E-06	4.608474
SLC1A3	1.209062	5.9637204	6.049277	9.09E-07	1.42E-06	4.538084
PTPN22	1.12568	3.8653512	6.039995	9.34E-07	1.46E-06	4.511006
OSM	1.195126	4.1762912	6.036887	9.43E-07	1.47E-06	4.50194
CD3G	2.102341	5.8022991	6.02019	9.89E-07	1.54E-06	4.453223
ZNF267	1.178982	5.9892789	6.016246	1.00E-06	1.55E-06	4.441715
UAP1	1.011904	6.851596	6.012924	1.01E-06	1.57E-06	4.432021
CHMP5	1.007779	6.8864454	5.997921	1.06E-06	1.64E-06	4.388237
CNKS3	1.043101	6.71865	5.98455	1.10E-06	1.70E-06	4.349211
SLAMF8	1.021531	5.6006609	5.976801	1.12E-06	1.73E-06	4.326591
IL2RG	1.633682	5.3982471	5.973287	1.13E-06	1.75E-06	4.316333
MCTP2	1.222694	5.0677739	5.972265	1.14E-06	1.76E-06	4.313349
ITPR2	1.103293	7.1408776	5.963907	1.17E-06	1.80E-06	4.28895
PRCP	1.014354	8.2697425	5.96335	1.17E-06	1.80E-06	4.287323
PODXL	1.240729	7.3680241	5.956813	1.19E-06	1.83E-06	4.26824
MAP2K6	1.234593	4.630595	5.956575	1.19E-06	1.83E-06	4.267544
PDE7A	1.401504	5.5741324	5.943883	1.24E-06	1.90E-06	4.230487
KLRG1	1.63192	5.1797666	5.915798	1.34E-06	2.06E-06	4.148472
SGK1	1.486703	8.3786798	5.904695	1.38E-06	2.12E-06	4.116046
ERV3	1.502414	5.4293548	5.88708	1.46E-06	2.23E-06	4.064594
AIM2	1.589598	4.20945	5.877044	1.50E-06	2.29E-06	4.035277
TMEM14E	1.051782	4.2559979	5.872586	1.52E-06	2.32E-06	4.022252
SNX10	1.367679	6.0223648	5.849915	1.62E-06	2.47E-06	3.956019
RASGRP3	1.36448	5.5733821	5.847465	1.64E-06	2.48E-06	3.948859



ARAP2	1.210939	4.9119776	5.837779	1.68E-06	2.55E-06	3.92056
IL6	1.702449	5.2965115	5.815791	1.79E-06	2.71E-06	3.856309
ELMO1	1.295544	6.7738871	5.81227	1.81E-06	2.74E-06	3.846021
GAPT	1.146762	4.6275088	5.810989	1.82E-06	2.75E-06	3.842274
PLA2G7	1.545056	4.2477984	5.80916	1.83E-06	2.76E-06	3.836931
KIT	1.083435	5.5299463	5.792763	1.92E-06	2.89E-06	3.789011
PTPRZ1	1.314149	4.8257572	5.782206	1.98E-06	2.98E-06	3.75816
PLAUR	1.120907	6.1549214	5.759209	2.12E-06	3.18E-06	3.690946
TXK	1.34104	4.3380092	5.752998	2.15E-06	3.23E-06	3.672793
TLR10	1.67168	3.5608784	5.751893	2.16E-06	3.24E-06	3.669561
CAMK4	1.355555	4.1549509	5.749052	2.18E-06	3.27E-06	3.66126
PCOLCE	1.237851	8.6074753	5.748618	2.18E-06	3.27E-06	3.65999
CCNL1	1.078855	8.0169064	5.744315	2.21E-06	3.31E-06	3.647412
PLXNC1	1.185502	6.4173723	5.733684	2.28E-06	3.41E-06	3.61634
NPL	1.167291	5.618349	5.720651	2.37E-06	3.54E-06	3.578244
ALDH1A3	1.051	5.50958	5.71912	2.38E-06	3.55E-06	3.573768
DAPP1	1.057248	4.0337185	5.711416	2.43E-06	3.63E-06	3.551249
FAM49B	1.016778	6.4847236	5.710592	2.44E-06	3.64E-06	3.548839
TLR7	1.004811	6.0622865	5.710402	2.44E-06	3.64E-06	3.548286
FYN	1.381002	6.9033744	5.693556	2.56E-06	3.82E-06	3.499043
CD96	1.573944	5.1396033	5.689901	2.59E-06	3.86E-06	3.488359
MPZL3	1.021316	4.4615826	5.689725	2.59E-06	3.86E-06	3.487844
SERPINE2	2.477477	7.5679134	5.679972	2.67E-06	3.96E-06	3.459335
THY1	1.494541	7.6680274	5.675385	2.70E-06	4.02E-06	3.445926
ITGA2	1.045863	5.231296	5.670489	2.74E-06	4.07E-06	3.431615
C2	1.16795	6.0940325	5.668128	2.76E-06	4.10E-06	3.424714
CHI3L1	1.138217	4.7507704	5.663519	2.80E-06	4.15E-06	3.411239
TAGAP	1.132366	5.1617571	5.659741	2.83E-06	4.19E-06	3.400195
ADAMDEC1	1.394514	3.8757474	5.642033	2.98E-06	4.41E-06	3.348433

APBB1IP	1.077043	5.5557141	5.639293	3.00E-06	4.44E-06	3.340424
ITGA4	1.395615	6.4346457	5.637015	3.02E-06	4.47E-06	3.333764
PITPNC1	1.140064	5.3246206	5.631707	3.07E-06	4.54E-06	3.318249
TUBA1C	1.071275	6.8342218	5.623692	3.14E-06	4.64E-06	3.294821
LY9	1.130404	4.9885979	5.621349	3.16E-06	4.67E-06	3.287972
TLR1	1.119066	6.2736533	5.618332	3.19E-06	4.71E-06	3.279153
PLCG2	1.361643	6.0309834	5.611152	3.26E-06	4.81E-06	3.258165
ICOS	1.391259	3.6722476	5.598028	3.39E-06	4.99E-06	3.219806
FCRLA	1.474721	4.2779742	5.587922	3.49E-06	5.13E-06	3.190266
BIRC3	1.417509	5.7873268	5.580222	3.57E-06	5.25E-06	3.167762
GBP4	1.113474	5.806442	5.5683	3.69E-06	5.42E-06	3.132918
SELPLG	1.018897	5.6964467	5.565072	3.73E-06	5.47E-06	3.123483
TAF13	1.037073	6.664541	5.559631	3.79E-06	5.56E-06	3.107582
CD52	1.7364	6.2328358	5.554148	3.85E-06	5.64E-06	3.091556
SIDT1	1.12716	4.8715035	5.552601	3.87E-06	5.67E-06	3.087035
SSH2	1.073645	5.7920756	5.529393	4.14E-06	6.04E-06	3.019214
ADAM28	1.551811	6.375371	5.524391	4.20E-06	6.13E-06	3.004598
RARRES1	1.109034	5.7116437	5.520283	4.25E-06	6.20E-06	2.992593
NAV3	1.14963	5.0893589	5.511318	4.36E-06	6.36E-06	2.966396
MXRA5	1.42177	6.6230531	5.509834	4.38E-06	6.39E-06	2.962059
GIMAP1	1.029887	7.4065387	5.505232	4.44E-06	6.47E-06	2.948613
IKZF1	1.169617	5.5647209	5.504483	4.45E-06	6.48E-06	2.946425
CD86	1.090396	5.3933968	5.490744	4.64E-06	6.74E-06	2.906284
IRF4	1.363038	5.478465	5.478768	4.80E-06	6.97E-06	2.871295
P2RX5	1.170494	4.8726375	5.466428	4.98E-06	7.21E-06	2.835246
ARL15	1.245496	5.7224531	5.453588	5.17E-06	7.48E-06	2.79774
LOX	1.02997	8.1509925	5.447139	5.27E-06	7.61E-06	2.778905
HLA-F	1.069104	6.2243255	5.444516	5.31E-06	7.67E-06	2.771242
SKAP2	1.164986	6.1673688	5.441277	5.36E-06	7.74E-06	2.761782

FCRL1	1.508732	4.9187098	5.439101	5.39E-06	7.79E-06	2.755427
CXCR4	2.264699	7.7128761	5.438326	5.40E-06	7.80E-06	2.753164
F3	1.105126	6.7967649	5.433647	5.48E-06	7.91E-06	2.739498
CD226	1.255333	4.6898821	5.423817	5.64E-06	8.13E-06	2.710791
F2R	1.153453	7.767716	5.422537	5.66E-06	8.16E-06	2.707054
FYB	1.404688	6.0338981	5.405664	5.94E-06	8.55E-06	2.657785
FAP	1.621441	7.0853794	5.392607	6.18E-06	8.87E-06	2.619661
CLEC2B	1.398312	4.8224252	5.390322	6.22E-06	8.92E-06	2.612992
SLAMF6	1.738013	4.2951867	5.386871	6.28E-06	9.01E-06	2.602916
BCL2A1	1.146797	4.0242833	5.363649	6.72E-06	9.62E-06	2.535134
ARMC9	1.007929	6.1778512	5.359338	6.81E-06	9.74E-06	2.522553
SGCD	1.031706	6.5874809	5.353684	6.92E-06	9.89E-06	2.50605
DOCK8	1.342752	6.0624613	5.349288	7.01E-06	1.00E-05	2.493222
DOK3	1.317068	5.1131217	5.349023	7.01E-06	1.00E-05	2.49245
COL11A1	1.111281	4.4180387	5.323127	7.57E-06	1.08E-05	2.41689
ALOX5	1.051057	6.5999457	5.295237	8.21E-06	1.17E-05	2.335542
GIMAP2	1.413444	5.2571946	5.29078	8.32E-06	1.18E-05	2.322544
EPHA3	1.476621	6.0182916	5.287599	8.40E-06	1.19E-05	2.313269
C5AR1	1.140109	6.3109679	5.279255	8.60E-06	1.22E-05	2.288939
FUT8	1.029954	6.5074151	5.265458	8.96E-06	1.27E-05	2.248715
LMO7	1.206238	6.9361468	5.255298	9.23E-06	1.30E-05	2.219101
FAHD2A	1.196725	5.0794315	5.254343	9.25E-06	1.31E-05	2.216316
SELE	1.150729	4.9105931	5.24962	9.38E-06	1.33E-05	2.202551
TOX	1.162074	4.7038696	5.240926	9.62E-06	1.36E-05	2.177216
DOCK2	1.261044	6.2066875	5.239713	9.66E-06	1.36E-05	2.173679
NID2	1.225805	6.0556291	5.233894	9.82E-06	1.38E-05	2.156724
HIST1H3B	1.413949	5.5966051	5.232134	9.87E-06	1.39E-05	2.151595
STK17B	1.033236	8.0365837	5.224877	1.01E-05	1.42E-05	2.130452
TIPARP	1.034196	7.1552501	5.224553	1.01E-05	1.42E-05	2.129509

GBP5	1.276949	5.0398015	5.220979	1.02E-05	1.44E-05	2.119097
PTPRC	1.674807	7.0939898	5.20972	1.05E-05	1.48E-05	2.086302
CXCL10	1.40172	4.4801366	5.208333	1.06E-05	1.49E-05	2.08226
FCRL2	1.028626	3.3894439	5.202658	1.08E-05	1.51E-05	2.065731
LUM	1.831024	8.6679534	5.199977	1.08E-05	1.52E-05	2.057925
MYO5C	1.119136	4.6141152	5.18269	1.14E-05	1.60E-05	2.007589
AOAH	1.651519	6.3609844	5.181464	1.14E-05	1.60E-05	2.00402
SLC2A3	1.486043	8.5574052	5.175076	1.17E-05	1.63E-05	1.985424
ARHGAP25	1.150477	5.5480871	5.158558	1.22E-05	1.71E-05	1.937348
CD38	1.223876	5.5811266	5.141768	1.29E-05	1.79E-05	1.888497
PARP15	1.459151	3.5710831	5.130823	1.33E-05	1.85E-05	1.856659
DIAPH3	1.20613	4.2000807	5.12817	1.34E-05	1.86E-05	1.848943
SLA	1.217789	5.9210985	5.108375	1.42E-05	1.97E-05	1.791384
STAP1	1.102412	3.9113419	5.104685	1.43E-05	1.99E-05	1.780656
SLAMF7	1.78311	4.9524073	5.093229	1.48E-05	2.05E-05	1.747358
THBS1	1.453546	9.0455054	5.088217	1.50E-05	2.08E-05	1.732791
RGS1	2.322075	5.8834798	5.083156	1.53E-05	2.11E-05	1.718084
TRAT1	1.390733	3.6873912	5.049026	1.69E-05	2.32E-05	1.618952
ENPP2	1.059511	7.5357922	5.048898	1.69E-05	2.32E-05	1.61858
SERPINA1	1.051587	6.0439743	5.046984	1.70E-05	2.34E-05	1.613023
EAF2	1.242781	5.8394216	5.037432	1.74E-05	2.40E-05	1.585293
CD3D	1.263056	4.9043378	5.0318	1.77E-05	2.44E-05	1.568946
ZNF215	1.351154	3.8508857	5.015515	1.86E-05	2.55E-05	1.521691
KLRB1	1.121961	5.0662683	5.008728	1.90E-05	2.60E-05	1.502
VNN2	1.099109	5.0728133	4.973532	2.10E-05	2.87E-05	1.399954
LAMB1	1.065664	8.0522875	4.915906	2.49E-05	3.37E-05	1.23308
SLCO2B1	1.092393	7.5332945	4.909999	2.53E-05	3.42E-05	1.21599
CTLA4	1.208506	4.2028718	4.908956	2.54E-05	3.43E-05	1.21297
FAM65B	1.4543	5.2638312	4.905233	2.56E-05	3.47E-05	1.202203

NCKAP1L	1.281568	6.9201949	4.903291	2.58E-05	3.49E-05	1.196586
1-Sep	1.001239	5.3505442	4.893608	2.65E-05	3.58E-05	1.168582
OBFC2A	1.021493	7.3712714	4.868202	2.86E-05	3.85E-05	1.095145
XBP1	1.088456	9.0574252	4.857111	2.95E-05	3.97E-05	1.063107
PRKCB	1.204071	6.0540874	4.854994	2.97E-05	3.99E-05	1.056992
VCAM1	1.007828	8.0919189	4.853716	2.98E-05	4.01E-05	1.053302
ITK	1.55662	4.9822475	4.839745	3.10E-05	4.17E-05	1.012961
CASP1	1.144062	5.5826239	4.831775	3.18E-05	4.26E-05	0.989957
IFI16	1.020108	7.6336576	4.823337	3.25E-05	4.36E-05	0.965608
CD180	1.60263	5.0832986	4.789211	3.59E-05	4.80E-05	0.867208
IL7R	2.10363	5.4989385	4.78201	3.67E-05	4.90E-05	0.846459
LAPTM5	1.304641	9.5969822	4.78149	3.68E-05	4.90E-05	0.84496
FPR1	1.064454	5.7763262	4.780211	3.69E-05	4.92E-05	0.841276
THBS2	1.215079	9.8206021	4.77523	3.74E-05	4.99E-05	0.826928
ARHGAP15	1.549535	6.0266898	4.77219	3.78E-05	5.03E-05	0.818172
GOLGA8B	1.491923	7.9610462	4.763329	3.87E-05	5.16E-05	0.792656
SP140	1.152767	4.3356751	4.760467	3.91E-05	5.20E-05	0.784417
THBS4	1.745806	6.2578024	4.758222	3.93E-05	5.23E-05	0.777952
TAS2R4	1.408624	4.5439819	4.755351	3.97E-05	5.27E-05	0.76969
LSAMP	1.061794	5.5663281	4.748179	4.05E-05	5.38E-05	0.749047
PLEK	1.262223	6.890594	4.747349	4.06E-05	5.39E-05	0.74666
AMICA1	1.068532	6.2472742	4.738976	4.16E-05	5.52E-05	0.722571
IQGAP2	1.052551	5.6794955	4.735686	4.20E-05	5.57E-05	0.713108
LOC100510059	2.788301	8.4899413	4.731753	4.25E-05	5.63E-05	0.701796
SIK1	1.192413	6.8344235	4.724612	4.34E-05	5.75E-05	0.681263
RALGPS2	1.758834	4.9413639	4.704894	4.59E-05	6.07E-05	0.624596
CD53	1.38619	8.7973586	4.682817	4.90E-05	6.46E-05	0.561202
SOCS3	1.121812	6.6092467	4.680815	4.92E-05	6.49E-05	0.555456
HCP5	1.038265	5.9696675	4.675127	5.01E-05	6.60E-05	0.539135

RASGRP1	1.065186	4.2581366	4.670615	5.07E-05	6.68E-05	0.52619
KIAA1199	1.162179	5.1656706	4.635339	5.62E-05	7.37E-05	0.425064
HLA-DMB	1.199424	7.1916376	4.630572	5.70E-05	7.47E-05	0.41141
CD48	1.538068	6.7384019	4.628714	5.73E-05	7.51E-05	0.406087
EVI2B	1.495336	6.829643	4.609651	6.05E-05	7.92E-05	0.351521
AREG	1.427248	5.3354784	4.607669	6.09E-05	7.96E-05	0.345848
IL10RA	1.06438	6.9246179	4.599956	6.22E-05	8.14E-05	0.323785
SAT1	1.016014	9.3959595	4.5798	6.60E-05	8.61E-05	0.266162
ATF3	1.243078	6.3979157	4.572804	6.73E-05	8.78E-05	0.246177
FN1	1.207422	6.139309	4.56872	6.81E-05	8.89E-05	0.234512
NR4A3	1.590228	6.3993934	4.557711	7.03E-05	9.16E-05	0.203076
LPAR6	1.176467	7.3460385	4.544287	7.31E-05	9.51E-05	0.164769
TMEM71	1.171651	5.0780173	4.537752	7.45E-05	9.69E-05	0.146132
BANK1	1.714052	4.3414463	4.536002	7.49E-05	9.74E-05	0.141141
PRDM1	1.40741	5.8623126	4.517368	7.90E-05	0.0001025	0.088029
CD24	1.225936	3.6897289	4.513293	7.99E-05	0.0001037	0.076419
PIK3CG	1.03381	6.4153691	4.498855	8.33E-05	0.0001079	0.035309
C4orf3	1.252042	8.3938565	4.489339	8.57E-05	0.0001108	0.008231
DEPDC6	1.383947	7.174569	4.48827	8.59E-05	0.0001112	0.005191
GZMB	1.291894	4.5261718	4.485559	8.66E-05	0.000112	-0.00252
MGC39372	1.038764	6.0410294	4.481138	8.77E-05	0.0001134	-0.01509
TNC	1.339496	6.5916348	4.474389	8.94E-05	0.0001154	-0.03428
MMP9	1.229862	5.9323271	4.469873	9.06E-05	0.0001169	-0.04712
PLCB1	1.054518	5.2826618	4.462872	9.25E-05	0.0001191	-0.06701
CLDN1	1.156729	5.8186338	4.450353	9.59E-05	0.0001233	-0.10257
PRR16	1.04271	5.2784791	4.448468	9.64E-05	0.000124	-0.10792
GPR116	1.634365	6.9740126	4.441781	9.82E-05	0.0001263	-0.1269
IL1B	1.144454	5.858592	4.41105	0.000107	0.0001375	-0.21404
KLRK1	1.144902	4.6700645	4.393455	0.000113	0.0001444	-0.26386

FCGR1A	1.256758	6.22201	4.362261	0.000123	0.0001574	-0.35206
CRISPLD2	1.257716	6.3174916	4.354317	0.000126	0.0001609	-0.3745
CD74	1.084759	10.188865	4.335165	0.000133	0.0001698	-0.42855
GIMAP4	1.221283	6.9339808	4.333315	0.000134	0.0001706	-0.43377
CD37	1.312888	7.1744231	4.294606	0.00015	0.0001899	-0.54281
DCC	1.178957	4.0946938	4.289842	0.000152	0.0001924	-0.55621
CTSH	1.048359	7.0550562	4.232748	0.000179	0.000225	-0.71649
HLA-DPB1	1.058113	9.8054478	4.22226	0.000184	0.0002316	-0.74587
GPR34	1.030529	4.6289292	4.215885	0.000188	0.0002357	-0.76372
CCR4	1.003467	3.7377647	4.203992	0.000194	0.0002436	-0.79699
C3AR1	1.068873	7.6247176	4.200932	0.000196	0.0002456	-0.80555
CCDC80	1.32895	9.5882034	4.19356	0.0002	0.0002505	-0.82615
CD2	1.094409	5.4905077	4.191764	0.000201	0.0002518	-0.83117
HIST1H3I	1.088058	6.3225287	4.191485	0.000201	0.0002519	-0.83195
C1orf162	1.156892	7.4866255	4.185683	0.000205	0.000256	-0.84816
GPR15	1.053061	4.1564053	4.174612	0.000211	0.0002639	-0.87907
CD79A	1.506789	5.2537765	4.157032	0.000222	0.000277	-0.9281
IFI44L	1.036806	7.133031	4.143166	0.000231	0.0002876	-0.96673
TSPAN15	1.083135	6.5150927	4.138066	0.000234	0.0002916	-0.98093
MFAP5	1.297225	9.4045034	4.123248	0.000244	0.0003039	-1.02215
TPMT	1.001042	4.8567794	4.095208	0.000265	0.0003279	-1.10003
IFI30	1.246957	7.9467731	4.089331	0.000269	0.0003332	-1.11633
TSPAN13	1.224001	6.6179007	4.07682	0.000279	0.0003448	-1.15101
AEBP1	1.043551	9.7193722	4.058666	0.000293	0.0003623	-1.20127
MYOZ2	1.233312	5.7647224	4.041617	0.000308	0.0003795	-1.2484
NOSTRIN	1.185316	4.3830283	4.037466	0.000311	0.0003838	-1.25987
TMEM156	1.364313	4.0142842	4.033324	0.000315	0.0003881	-1.27131
LAX1	1.424277	4.9852387	4.031624	0.000317	0.0003899	-1.276
DIO2	1.085939	4.4182449	4.021378	0.000326	0.0004007	-1.30427

CX3CR1	1.339483	7.5111003	3.998682	0.000347	0.0004264	-1.36681
ZNF521	1.183881	5.8672733	3.991767	0.000354	0.0004344	-1.38584
PIK3R3	1.00173	5.9091301	3.9706	0.000376	0.0004604	-1.44403
CR2	1.224878	3.6550616	3.960099	0.000387	0.0004738	-1.47285
RHOH	1.15997	5.4295644	3.931962	0.000419	0.0005113	-1.54996
MOP-1	1.443007	5.5742811	3.909568	0.000446	0.0005435	-1.6112
LAMA4	1.05717	7.813135	3.908017	0.000448	0.0005458	-1.61543
POSTN	1.546777	8.0315301	3.89447	0.000466	0.0005661	-1.65241
SDHC	1.189239	4.7106467	3.890416	0.000471	0.000572	-1.66346
FAM127A	1.021759	8.1216978	3.851837	0.000525	0.0006347	-1.76847
GPR174	1.790954	5.5017605	3.849007	0.000529	0.0006396	-1.77616
DENND2D	1.045825	6.1141221	3.84203	0.000539	0.0006516	-1.7951
PLVAP	1.041447	7.8432554	3.829992	0.000558	0.0006731	-1.82776
IL2RA	1.147922	6.0583009	3.824968	0.000565	0.0006822	-1.84138
MGC29506	1.087071	5.1088556	3.813615	0.000584	0.0007034	-1.87212
PLAC8	1.447003	4.8164941	3.792952	0.000618	0.0007436	-1.92799
KCNA3	1.372049	5.1983279	3.776982	0.000646	0.0007759	-1.9711
IGLV6-57	1.187467	4.1742646	3.752069	0.000692	0.0008293	-2.03819
SEL1L3	1.357165	6.0935259	3.71951	0.000758	0.0009046	-2.12562
FAM36A	1.01882	6.768052	3.688543	0.000825	0.0009832	-2.20849
CCR2	1.185839	4.8320485	3.672182	0.000863	0.0010266	-2.25216
PTGS2	1.258015	6.0141847	3.663907	0.000883	0.0010492	-2.27422
GNG2	1.030646	6.7826107	3.661237	0.00089	0.0010568	-2.28133
PIM2	1.247971	6.749115	3.659609	0.000894	0.0010613	-2.28567
CYR61	1.171308	8.6136805	3.635479	0.000955	0.001132	-2.34984
PLTP	1.161591	8.6086559	3.627113	0.000977	0.0011574	-2.37204
CARTPT	-2.27644	4.9733871	-3.62125	0.000993	0.0011756	-2.3876
FCRL5	1.054741	4.1209919	3.600615	0.001051	0.0012418	-2.44224
HLA-DOB	1.226572	5.2334379	3.599949	0.001053	0.0012439	-2.444



VCAN	1.039526	10.396581	3.589946	0.001082	0.0012778	-2.47044
CPM	1.020888	5.3625286	3.585477	0.001095	0.0012931	-2.48224
RNASE2	1.043113	4.3240249	3.584863	0.001097	0.0012952	-2.48386
1-Mar	1.097589	7.0367616	3.561636	0.001169	0.001378	-2.54509
COL8A1	1.110942	6.7684122	3.55862	0.001178	0.001389	-2.55303
SELL	1.230714	6.2882336	3.55382	0.001194	0.0014068	-2.56566
KDR	1.045402	6.4425194	3.550554	0.001204	0.0014187	-2.57424
GZMK	1.386597	6.2337543	3.518847	0.001313	0.0015427	-2.65744
CD27	1.18426	5.7699953	3.495295	0.0014	0.0016407	-2.71902
CD163	1.189562	7.9664028	3.477391	0.001469	0.0017198	-2.7657
FAM46C	1.078963	7.6018215	3.421606	0.001708	0.0019901	-2.91047
VWF	1.052228	7.5676134	3.408186	0.00177	0.0020603	-2.94513
TREM1	1.144133	4.3666211	3.398948	0.001815	0.0021103	-2.96895
ITGA6	1.280898	7.0854034	3.385386	0.001882	0.0021863	-3.00387
CD69	1.689886	6.3903725	3.333672	0.002161	0.0025009	-3.13641
EDNRB	1.197496	5.9711087	3.272116	0.002545	0.0029318	-3.29287
MT1M	1.080359	6.5751825	3.253058	0.002677	0.0030774	-3.34102
NR4A2	1.469903	7.2840316	3.223396	0.002894	0.0033197	-3.41567
SFRP2	1.582678	7.9420391	3.220132	0.002919	0.0033468	-3.42386
SELP	1.016644	5.9871155	3.114096	0.003852	0.0043788	-3.68766
CXCL13	1.354921	3.490759	3.05048	0.004541	0.0051352	-3.84365
SHC4	1.038586	6.6130842	2.991016	0.005289	0.0059566	-3.98785
CLEC5A	1.057996	5.9884838	2.958299	0.005749	0.0064576	-4.0665
MS4A4A	1.135269	6.1946307	2.917718	0.006372	0.0071347	-4.16337
SPP1	1.434257	7.9159474	2.737308	0.009992	0.0110547	-4.58431
PECAM1	1.021178	9.2485465	2.713626	0.010589	0.0117007	-4.63834
MMP13	1.062955	3.3359802	2.697932	0.011003	0.0121486	-4.67398
LYZ	1.031489	8.7339738	2.632057	0.012911	0.0142076	-4.82216
ITLN1	-1.95273	5.7420528	-2.5531	0.015599	0.0170917	-4.99661

SERPINF1	1.17546	8.9988745	2.433652	0.020657	0.0224686	-5.25377
CYP1B1	1.125025	6.8419891	2.417032	0.021469	0.0233279	-5.28888
ELTD1	1.128433	6.9539638	2.334333	0.025957	0.0280852	-5.46108
MMP12	1.235385	3.6609186	2.327342	0.026373	0.0285227	-5.47545
NLGN4Y	1.085063	5.0078327	2.102635	0.043382	0.0463701	-5.92026

2) AMed DEGs

ID	logFC	AveExpr	t	P.Value	adj.P.Val	B
ULBP2	1.277435	5.392909	16.91031	1.26E-19	8.15E-17	34.58489
ZNF107	1.273612	5.012708	15.7557	1.43E-18	8.15E-17	32.20372
MPHOSPH9	1.108726	5.248051	15.17353	5.12E-18	8.15E-17	30.94978
TMEM154	1.473184	4.920501	12.70276	1.73E-15	5.81E-15	25.19306
IKBIP	1.074485	4.874813	12.57176	2.41E-15	8.06E-15	24.86697
SNRPA1	1.105044	5.339973	12.50605	2.84E-15	9.51E-15	24.70257
FP6628	1.098514	5.408464	11.69512	2.29E-14	7.65E-14	22.62771
SUGT1P3	1.015226	4.946189	11.65549	2.54E-14	8.49E-14	22.52412
CDH6	1.274155	5.8897	11.58764	3.04E-14	1.01E-13	22.34624
TMTC2	1.030472	4.284087	11.38676	5.18E-14	1.73E-13	21.81609
RPS20P27	1.069789	5.281888	11.31367	6.3E-14	2.1E-13	21.62186
IFIH1	1.023769	5.872652	11.14841	9.82E-14	3.26E-13	21.18008
CRYGS	1.098825	5.040122	10.96881	1.6E-13	5.3E-13	20.69586
LACTB	1.027292	6.485055	10.83593	2.3E-13	7.61E-13	20.33481
TREM2	1.307938	5.359522	10.77342	2.73E-13	9.02E-13	20.16416
SLFN12	1.06189	5.862925	10.18779	1.39E-12	4.57E-12	18.54007
TRNT1	1.068966	5.380787	9.987469	2.46E-12	8.03E-12	17.97409
RHOH	1.218401	5.060542	9.670406	6.1E-12	1.98E-11	17.06751
STARD5	1.166693	6.069318	9.247059	2.09E-11	6.74E-11	15.83686
LOC100130428	1.228927	6.782348	8.959437	4.91E-11	1.57E-10	14.98794

OLR1	1.860974	5.143113	8.598345	1.45E-10	4.57E-10	13.90806
TLR8	1.238775	4.91663	8.378313	2.82E-10	8.84E-10	13.24268
FKBP11	1.043753	6.152074	8.15484	5.59E-10	1.73E-09	12.56147
ST8SIA4	1.812879	5.48423	8.092427	6.78E-10	2.09E-09	12.37028
KIAA1147	1.027834	4.545413	8.090811	6.81E-10	2.1E-09	12.36533
CD300A	1.249417	6.194006	7.877952	1.31E-09	4.02E-09	11.71032
SAMD9L	1.00773	6.687152	7.873726	1.33E-09	4.07E-09	11.69727
TMEM200A	1.278215	5.048214	7.852274	1.42E-09	4.34E-09	11.63101
C14orf106	1.074025	5.354059	7.792643	1.71E-09	5.2E-09	11.44659
C15orf5	1.094409	5.658382	7.77447	1.81E-09	5.5E-09	11.39032
P2RY13	1.4213	5.25626	7.752814	1.94E-09	5.88E-09	11.32323
B3GALT2	1.107034	4.505939	7.742998	2E-09	6.06E-09	11.2928
RPL21P44	1.027324	5.63202	7.738157	2.03E-09	6.15E-09	11.27779
SMC6	1.008459	5.905326	7.715718	2.18E-09	6.58E-09	11.2082
RBM47	1.150743	6.468566	7.586751	3.25E-09	9.78E-09	10.80736
FAM69A	1.114227	6.729261	7.447872	5.03E-09	1.5E-08	10.37416
GUCY1A2	1.449878	6.04485	7.440033	5.15E-09	1.53E-08	10.34966
ITIH3	1.051839	5.480787	7.257297	9.15E-09	2.69E-08	9.777273
LY86	1.781459	5.931007	7.222963	1.02E-08	2.99E-08	9.669463
APBB1IP	1.408529	5.439684	7.182306	1.16E-08	3.39E-08	9.541694
GAPT	1.084392	4.233675	7.041656	1.81E-08	5.25E-08	9.098872
ARHGAP25	1.165238	5.542459	6.969701	2.27E-08	6.55E-08	8.871876
IL1B	1.606205	5.726895	6.827839	3.57E-08	1.02E-07	8.423548
SLN	1.140118	4.681969	6.794135	3.98E-08	1.13E-07	8.316892
RNASE2	1.24285	4.191214	6.748779	4.59E-08	1.3E-07	8.173285
GPR65	1.324024	5.335462	6.630031	6.71E-08	1.88E-07	7.796924
DOCK10	1.261907	8.239869	6.564165	8.28E-08	2.3E-07	7.587962
SAMD9	1.119365	6.220716	6.489233	1.05E-07	2.9E-07	7.350092
ARL4C	1.239203	6.929094	6.477744	1.09E-07	3.01E-07	7.313606

C1orf110	1.216503	6.140017	6.47675	1.1E-07	3.02E-07	7.310451
SLIT3	1.021683	8.337248	6.453706	1.18E-07	3.24E-07	7.237263
KLRG1	1.024335	4.701335	6.412469	1.35E-07	3.68E-07	7.106272
TGFBI	1.625689	8.567347	6.37018	1.54E-07	4.2E-07	6.971908
TM6SF1	1.365832	6.582754	6.269756	2.13E-07	5.74E-07	6.652746
GCFC1	1.332841	6.862923	6.269021	2.13E-07	5.75E-07	6.650408
SNX10	1.326382	5.204991	6.151978	3.1E-07	8.27E-07	6.278363
CD93	1.029183	8.411858	6.110167	3.55E-07	9.41E-07	6.145467
SYTL2	1.011942	5.445626	6.029768	4.59E-07	1.21E-06	5.889958
IL18	1.257483	4.293063	5.978879	5.4E-07	1.41E-06	5.728278
ANK3	1.014779	7.031009	5.95851	5.77E-07	1.5E-06	5.663579
MARCKS	1.006978	9.465634	5.948094	5.97E-07	1.55E-06	5.630498
ACAN	1.235756	6.865701	5.819701	9.01E-07	2.31E-06	5.222947
PIK3CG	1.280183	5.873445	5.788154	9.97E-07	2.54E-06	5.12289
AHNAK2	1.003624	8.113906	5.692487	1.35E-06	3.42E-06	4.819712
TLR7	1.292689	6.001701	5.659302	1.51E-06	3.79E-06	4.714645
ITGAM	1.10785	6.110246	5.657844	1.51E-06	3.81E-06	4.71003
KCNA3	1.222073	5.287001	5.655277	1.53E-06	3.84E-06	4.701906
FAM49B	1.048068	6.667802	5.574391	1.98E-06	4.92E-06	4.446077
WFDC1	1.374295	7.489028	5.570748	2E-06	4.97E-06	4.434566
ADAM28	1.577815	6.082633	5.563513	2.05E-06	5.08E-06	4.411702
MS4A14	1.078513	5.343265	5.533148	2.26E-06	5.58E-06	4.315784
LILRB1	1.030787	4.368394	5.504786	2.47E-06	6.09E-06	4.226247
GAS2L3	1.058947	5.519206	5.472636	2.74E-06	6.73E-06	4.124819
CD3G	1.226018	5.527907	5.405784	3.39E-06	8.25E-06	3.914162
PAG1	1.036101	6.183302	5.353987	4E-06	9.67E-06	3.751188
CD3E	1.011601	5.240025	5.333588	4.27E-06	1.03E-05	3.687069
CASP1	1.308689	5.280324	5.321958	4.43E-06	1.06E-05	3.650528
CXorf36	1.110187	4.731046	5.313494	4.55E-06	1.09E-05	3.623943

LOC100131541	1.014936	7.345197	5.295897	4.82E-06	1.15E-05	3.568692
C10orf10	1.090099	8.782475	5.283189	5.02E-06	1.2E-05	3.528813
F2R	1.006982	9.219815	5.246613	5.64E-06	1.34E-05	3.414114
NPL	1.210841	5.47046	5.200211	6.53E-06	1.55E-05	3.268795
ITGA4	1.421761	6.22474	5.180386	6.96E-06	1.64E-05	3.206777
CLEC7A	1.259396	5.126	5.140789	7.89E-06	1.85E-05	3.083037
GOLGA8B	1.056452	8.478333	5.126341	8.26E-06	1.94E-05	3.037932
ADAM6	1.119286	6.218931	5.113417	8.61E-06	2.01E-05	2.997603
FYB	1.493719	5.843439	5.066905	9.98E-06	2.32E-05	2.852637
FCGR3A	1.716868	7.799137	5.054612	1.04E-05	2.41E-05	2.814367
IQGAP2	1.033642	5.42615	5.029719	1.12E-05	2.59E-05	2.736929
CX3CR1	1.769466	7.481627	4.988613	1.28E-05	2.94E-05	2.609234
PLXNC1	1.071844	6.586847	4.951795	1.44E-05	3.28E-05	2.495053
GIMAP7	1.521867	6.237465	4.898889	1.7E-05	3.84E-05	2.331311
HAVCR2	1.017305	6.18898	4.898503	1.7E-05	3.85E-05	2.33012
COL1A1	1.140445	10.49855	4.879123	1.81E-05	4.08E-05	2.270245
BMPR1B	-1.03031	7.442517	-4.86883	1.87E-05	4.2E-05	2.238462
FOLR2	1.203523	7.974813	4.867562	1.87E-05	4.22E-05	2.234554
TLR1	1.008568	6.196449	4.856428	1.94E-05	4.36E-05	2.200198
CD4	1.004932	7.232146	4.840345	2.04E-05	4.58E-05	2.150609
PCOLCE	1.007937	8.997131	4.805613	2.28E-05	5.08E-05	2.043655
CLEC5A	1.935633	5.907479	4.798159	2.33E-05	5.19E-05	2.020729
DOCK8	1.09011	5.931679	4.762954	2.6E-05	5.77E-05	1.912561
AGAP11	1.002914	7.790226	4.726524	2.92E-05	6.43E-05	1.800849
IL10RA	1.048251	6.883764	4.716945	3.01E-05	6.61E-05	1.771516
IGF1	1.223712	7.186211	4.704114	3.13E-05	6.87E-05	1.732247
DOCK2	1.07503	5.947698	4.671501	3.47E-05	7.57E-05	1.632566
GNG2	1.142493	5.751401	4.6693	3.49E-05	7.62E-05	1.625846

ALOX5	1.117675	6.617333	4.61671	4.11E-05	8.92E-05	1.465539
CD74	1.608771	10.13431	4.608007	4.23E-05	9.14E-05	1.439062
NCKAP1L	1.262638	6.564131	4.532602	5.34E-05	0.000114	1.210273
FCGR1A	1.468871	6.427307	4.505615	5.81E-05	0.000124	1.12867
CD14	1.520462	8.799071	4.493855	6.02E-05	0.000128	1.093159
CSF1R	1.156602	7.225691	4.441873	7.07E-05	0.000149	0.936544
RNASE6	1.106915	6.173547	4.328615	0.0001	0.000208	0.597407
CYBB	1.570473	8.938346	4.326628	0.000101	0.000209	0.591483
PTPRC	1.52489	6.227806	4.323348	0.000102	0.000211	0.581708
ITGA6	1.133841	5.977084	4.315334	0.000104	0.000216	0.557836
GPR183	1.006979	4.905285	4.229963	0.000136	0.000277	0.304508
CPVL	1.338648	5.790447	4.198308	0.000149	0.000303	0.211048
LCP1	1.514241	7.999932	4.181011	0.000157	0.000318	0.160089
GPR34	1.136665	4.124399	4.151583	0.000172	0.000347	0.07358
IL2RG	1.021485	5.251509	4.147273	0.000174	0.000351	0.060929
EVI2B	1.517538	6.084951	4.146358	0.000175	0.000352	0.058243
PLEK	1.294003	6.131304	4.145519	0.000175	0.000353	0.055781
VEGFA	1.041063	7.033732	4.080638	0.000213	0.000424	-0.134
MOP-1	1.239202	5.261323	4.040185	0.000241	0.000476	-0.25173
CARTPT	-3.50713	7.886833	-4.02918	0.000249	0.000491	-0.28368
HLA-DPA1	1.428779	10.50278	3.992036	0.000278	0.000545	-0.39122
FCGBP	1.133544	8.226488	3.953835	0.000312	0.000606	-0.5014
CD163	1.441618	7.184123	3.935014	0.00033	0.00064	-0.55551
MARCH1	1.377734	6.53696	3.911173	0.000354	0.000684	-0.62391
CCDC80	1.283197	9.097244	3.906902	0.000359	0.000692	-0.63614
IL2RA	1.16328	5.646946	3.898217	0.000368	0.000709	-0.66099
MS4A6A	1.203816	7.284329	3.851385	0.000423	0.000811	-0.79461
AMICA1	1.071954	5.872109	3.828301	0.000453	0.000864	-0.8602
RGS1	1.558699	5.167634	3.803523	0.000487	0.000926	-0.93041

SLCO2B1	1.004592	7.430477	3.790307	0.000506	0.000961	-0.96777
LOC100510059	2.551221	8.305734	3.781066	0.00052	0.000985	-0.99386
MCTP1	1.010168	5.48503	3.769463	0.000538	0.001017	-1.02658
LAPTM5	1.563334	9.309325	3.766442	0.000543	0.001026	-1.03509
FCGR2A	1.356904	8.669189	3.709518	0.000641	0.001202	-1.19485
MSR1	1.307859	6.949198	3.70243	0.000655	0.001226	-1.21466
HLA-DMB	1.196691	7.052646	3.632279	0.000803	0.001483	-1.40975
TMEM176A	1.075412	6.37826	3.626269	0.000817	0.001507	-1.42638
VSIG4	1.05897	7.614035	3.622079	0.000827	0.001524	-1.43797
CD69	1.183666	4.990713	3.596753	0.00089	0.001633	-1.50785
CD53	1.421111	8.174927	3.58806	0.000912	0.001672	-1.53178
VAMP8	1.180665	7.790303	3.572929	0.000953	0.00174	-1.57336
GMFG	1.097302	7.243844	3.54555	0.001031	0.001876	-1.64838
TM4SF18	1.143359	5.034115	3.537138	0.001056	0.00192	-1.67137
FPR3	1.072946	6.792199	3.475825	0.001258	0.002262	-1.83808
NCF2	1.058663	6.272291	3.47139	0.001274	0.002289	-1.85008
AOAH	1.180337	6.0639	3.459411	0.001318	0.002365	-1.88245
CLDN1	1.03834	6.011496	3.439427	0.001395	0.002494	-1.93632
GZMK	1.148985	5.134407	3.437215	0.001404	0.002508	-1.94227
HLA-DRA	1.2247	10.41102	3.369715	0.001698	0.002996	-2.12292
CCL8	1.176658	5.285935	3.278329	0.002191	0.0038	-2.36434
C3AR1	1.083258	7.43312	3.258205	0.002317	0.004001	-2.417
CYTL1	-1.36628	10.33392	-3.14592	0.003153	0.005345	-2.70735
SLC26A4	-1.11409	7.11719	-3.12924	0.003299	0.005579	-2.74998
CXCR4	1.208524	7.038426	3.115895	0.003421	0.005771	-2.78398
C3	1.571344	7.527154	3.101371	0.003558	0.005983	-2.82089
HLA-DPB1	1.113283	9.334171	3.062473	0.003952	0.006604	-2.91922
CNTN1	-1.33113	8.486865	-3.01112	0.004535	0.007513	-3.04785

IFI30	1.064819	8.058232	3.001817	0.004648	0.007688	-3.07102
RNASE1	1.027335	9.745531	2.957506	0.005229	0.008577	-3.18072
GPR116	1.065239	5.399841	2.896843	0.006133	0.009963	-3.32921
PCDH11Y	-1.6449	6.660967	-2.89207	0.00621	0.010079	-3.3408
LYZ	1.653952	7.369299	2.806637	0.007753	0.012399	-3.54632
FCER1G	1.033827	7.046634	2.783601	0.008226	0.013102	-3.60103
SFRP2	1.297185	6.496402	2.749785	0.008969	0.01419	-3.6808
F13A1	1.298051	8.212585	2.646645	0.011638	0.018074	-3.92
HBB	-1.06821	7.294036	-2.61787	0.012504	0.01932	-3.98561
IGJ	1.673024	7.066969	2.308169	0.026342	0.038438	-4.65865