

gene	lowMean	highMean	logFC	pValue	fdr
GSTM5	1.2640373	2.9631685	1.2291016	1.69E-07	1.97E-06
BOC	1.4378564	5.590521	1.9590631	8.16E-13	1.73E-10
SCARA5	0.9518416	4.1955371	2.1400621	0.000224	0.0008116
COL11A1	9.438537	19.33235	1.0343818	3.14E-05	0.0001533
PLCXD3	0.7639703	2.3050762	1.593226	8.04E-07	7.14E-06
DCLK1	0.6956837	1.6629668	1.257256	8.79E-11	5.26E-09
SNED1	0.7278492	1.6721729	1.2000126	1.00E-12	2.05E-10
TCEAL2	1.0634064	2.2172723	1.0600928	7.26E-07	6.56E-06
ITGA11	5.6065479	13.93595	1.3136267	4.73E-10	1.95E-08
P2RX1	1.6269566	8.0220683	2.3017985	3.30E-06	2.30E-05
MGAT3	4.022632	10.034858	1.3188085	4.85E-08	7.05E-07
KRT33A	1.230381	15.262739	3.6328368	0.0035711	0.0085309
SPARCL1	64.761969	157.26635	1.2799913	2.38E-08	4.03E-07
AL096855.1	2.400369	1.1295444	-1.087515	0.0001883	0.0006982
DACT3	2.0418155	6.1735573	1.5962495	4.86E-10	1.99E-08
C7	4.5051734	12.625039	1.4866333	4.35E-06	2.89E-05
MIR6784	6.0721936	2.5822774	-1.233574	0.000156	0.0005936
LORICRIN	0.9652967	2.244949	1.2176383	0.002427	0.0061603
PRELP	6.2109167	17.871062	1.5247473	1.16E-07	1.44E-06
PCSK9	2.6198249	7.0328711	1.4246434	1.10E-07	1.38E-06
DIO3	1.2383599	7.3307462	2.5655294	2.10E-08	3.67E-07
ASPN	17.12387	38.406485	1.1653411	1.26E-06	1.03E-05
ACTA2-AS	0.4444256	1.6916922	1.9284534	7.24E-08	9.77E-07
ABI3BP	1.7667741	4.8456525	1.4555734	5.67E-08	8.01E-07
BHMT2	0.6012589	2.0419106	1.7638614	1.86E-09	5.49E-08
DMD	1.2145125	2.6316716	1.1156021	1.96E-09	5.68E-08
ADCY5	1.5779535	4.971016	1.6554861	3.22E-09	8.24E-08
MRGPRF	4.3936906	13.601906	1.6303036	4.75E-12	6.33E-10
AP001107.5	0.6401903	1.4331822	1.1626494	4.92E-08	7.09E-07
HDC	0.6142566	1.704638	1.472552	2.83E-07	3.02E-06
AC103691.1	2.2340843	1.1031064	-1.018112	5.93E-06	3.75E-05
HTRA4	0.6613498	2.2383855	1.758973	0.021258	0.0390946
SORBS2	2.2187266	4.9764343	1.1653805	3.60E-08	5.51E-07
SCD	137.45244	446.88637	1.7009756	1.02E-24	1.62E-20
GPLD1	1.5397639	3.123181	1.0203071	2.21E-06	1.65E-05
CD177	5.0537967	14.816199	1.5517359	0.0046849	0.0107358
ALDH1A1	27.964493	106.79377	1.9331594	2.18E-08	3.76E-07
KCNE4	3.0847285	7.2658239	1.2359829	9.23E-09	1.85E-07
TENM3	1.5441941	3.261498	1.0786807	3.20E-07	3.32E-06
ACTC1	5.9411906	55.161758	3.2148445	8.20E-09	1.68E-07
TNN	0.509663	2.6251513	2.364785	1.69E-07	1.97E-06
UGT2B15	13.233259	4.4698672	-1.565864	0.0156743	0.0302342

IL1RL1	1.0334224	2.2322977	1.1110993	0.0001234	0.0004872
THBS2	16.457507	45.495623	1.4669819	9.47E-14	3.20E-11
GAS1	9.7616771	20.589074	1.076678	2.44E-07	2.66E-06
KCNK13	2.1369677	5.382784	1.3327875	0.0001334	0.0005199
FXYP6	1.6068673	4.2318449	1.3970359	3.55E-11	2.80E-09
GLI2	0.9219485	1.973029	1.0976541	6.74E-12	8.33E-10
CHRD1	1.5944856	9.1382409	2.5188254	3.29E-11	2.62E-09
THSD7A	0.9095611	2.1654381	1.2514166	1.02E-10	5.84E-09
KRT33B	0.9721267	4.7134927	2.2775802	0.0165832	0.0316566
NTN1	3.5240315	7.1029084	1.0111831	2.87E-07	3.04E-06
BEAN1	0.7225333	1.7486959	1.2751434	4.06E-07	4.01E-06
GUCA2A	8.8937441	35.659541	2.0034253	0.0028604	0.0070885
PPIAP46	0.100818	2.9498906	4.8708365	0.000962	0.0028082
FOLR2	17.626748	43.102323	1.2899993	4.11E-05	0.0001925
DCN	38.92663	96.605621	1.3113497	1.02E-09	3.40E-08
SSC5D	3.6273419	9.0733391	1.3227208	3.46E-10	1.54E-08
AC092490.1	1.2110833	2.6283718	1.1178712	0.003595	0.0085787
AMOT	4.5477576	9.9654751	1.1317832	3.18E-07	3.31E-06
SUCNR1	0.9416538	2.1712243	1.2052401	0.015553	0.0300339
PPM1N	12.575389	5.9780733	-1.072851	0.0165843	0.0316566
HS3ST2	0.8460045	2.0599375	1.2838634	1.01E-10	5.80E-09
MEDAG	7.1577878	17.923652	1.3242789	7.25E-06	4.46E-05
ADAMTS1	16.512615	37.603258	1.187289	3.58E-10	1.58E-08
SPRR3	80.008552	266.80037	1.7375346	1.36E-05	7.63E-05
MUC6	0.167668	1.8351429	3.4522132	0.0032399	0.0078659
AC099518.2	3.5327682	1.6839573	-1.068944	1.11E-05	6.42E-05
C1QTNF7	0.7319917	1.4778757	1.0136257	1.39E-05	7.75E-05
KL	1.1837584	3.7266574	1.6545075	1.17E-06	9.71E-06
RASL12	5.7683106	15.272904	1.4047537	4.36E-10	1.83E-08
AL356867.1	1.6828186	3.9127285	1.2172953	0.0014132	0.00391
MSX1	5.4886749	14.391817	1.390719	0.001461	0.0040234
GALNT15	1.1415954	2.9627639	1.3758922	3.43E-08	5.32E-07
PIEZO2	0.7132495	1.5548979	1.1243411	4.43E-09	1.04E-07
PTGFR	0.7060465	2.1620881	1.6145901	1.08E-11	1.20E-09
FNDC1	4.8842766	15.146822	1.6327983	1.65E-10	8.45E-09
OXTR	1.287516	5.0817285	1.9807289	0.0010014	0.0029047
GXYLT2	2.6571249	5.8089381	1.1284084	1.55E-11	1.57E-09
PTGER3	0.737069	1.9716318	1.4195186	2.88E-11	2.41E-09
HPSE2	0.7840584	4.7899145	2.6109669	6.34E-09	1.38E-07
ZBTB16	0.8004616	2.0821724	1.3791855	0.0001215	0.0004808
TBX5	0.8524408	1.7262939	1.0180066	3.58E-07	3.63E-06
STAB1	13.426373	26.956569	1.0055672	0.0001565	0.0005947
COMP	38.425112	116.70846	1.6027878	4.27E-09	1.01E-07

SFRP2	123.79514	315.64689	1.3503568	1.36E-07	1.63E-06
JPH2	2.1797911	6.9473812	1.6722794	4.98E-09	1.15E-07
RAMP1	25.965041	59.588209	1.1984564	9.69E-05	0.0003977
SLC34A2	1.0778452	10.731385	3.3156144	0.0095843	0.0198059
TAS1R3	1.5807327	4.4050682	1.4785709	0.0007928	0.0023823
TNFRSF19	5.5592186	13.730482	1.3044283	1.40E-06	1.13E-05
ITM2A	10.786988	32.792731	1.604084	0.0031158	0.0076192
LRRC15	5.590315	15.203488	1.4434009	6.45E-07	5.92E-06
MKX	0.397915	1.7231634	2.1145272	1.21E-12	2.37E-10
CLIC3	91.346853	292.28306	1.6779393	1.95E-08	3.46E-07
AC005009.1	2.0609185	0.7930965	-1.377719	0.0007389	0.0022425
ITIH5	2.8423972	6.3920094	1.1691614	1.96E-05	0.0001033
AKR1B15	3.9653413	8.166897	1.042343	0.000658	0.0020339
GABRQ	1.590297	4.9139355	1.6275827	0.0010086	0.0029227
COL10A1	13.819553	31.217316	1.1756355	1.95E-07	2.22E-06
ISM1	2.5813035	5.564655	1.1081925	2.65E-06	1.91E-05
SLIT2	1.2340429	3.0743373	1.3168829	7.32E-12	8.76E-10
DOK5	1.3588345	2.9795993	1.1327486	2.82E-10	1.29E-08
ALPP	7.1253434	23.499219	1.7215814	1.07E-05	6.24E-05
AC245100.3	0.7005706	1.5621023	1.1568865	0.0010566	0.0030424
AL357833.1	0.4143007	1.6830658	2.0223416	0.0170043	0.0323302
PLAAT2	8.6648129	22.379322	1.3689259	0.0001263	0.0004971
TPSAB1	10.885994	22.452804	1.0444225	6.39E-05	0.0002786
CPB1	0.0994188	1.9921967	4.3246974	1.59E-05	8.65E-05
SPNS2	11.933815	32.092503	1.4271811	8.28E-11	5.05E-09
TNFAIP8L	3.2099368	6.854181	1.0944394	1.98E-08	3.50E-07
ATP6V0A4	1.9761469	5.4157556	1.4544725	0.0061415	0.0135342
ATP12A	1.3476307	3.5000898	1.3769667	0.011066	0.0224052
UNC5C	0.7177015	1.4722282	1.0365455	3.19E-09	8.22E-08
SHISAL1	0.8655488	2.540965	1.5536894	8.52E-09	1.74E-07
RCAN2	5.9688252	13.507636	1.1782563	1.58E-06	1.25E-05
MIR145	1.6100069	8.42862	2.3882295	3.05E-05	0.0001493
SCARNA6	1.6772384	3.6701842	1.1297646	0.0075744	0.0161669
FBN2	4.7748804	14.06847	1.5589289	9.15E-08	1.19E-06
IL17RD	2.1809076	4.4657059	1.0339596	4.46E-08	6.55E-07
AGT	4.7592302	13.835238	1.5395473	4.45E-05	0.0002058
SLC6A2	0.9507299	2.4360508	1.3574368	1.08E-05	6.26E-05
MAP1B	6.0355086	13.18157	1.126975	1.28E-10	6.94E-09
FGF19	0.8099152	12.893552	3.9927352	0.0090891	0.0189203
STUM	0.4021817	1.6470683	2.0339811	7.14E-13	1.60E-10
RAB23	4.332964	9.1795035	1.0830619	9.27E-16	1.13E-12
ELN	10.815777	29.591203	1.452031	9.68E-10	3.27E-08
FMO2	0.5635703	2.2300804	1.9844282	1.49E-07	1.77E-06

IDSP1	1.6148672	0.7172937	-1.17078	6.00E-07	5.56E-06
ZCCHC24	6.4106167	16.435662	1.3582946	2.80E-15	2.48E-12
AC090954.1	5.0391967	2.3595025	-1.094711	0.0039967	0.0093674
ERVV-2	0.9034017	2.8993708	1.6823004	1.58E-06	1.24E-05
RTL9	0.0753731	2.9270731	5.2792652	1.16E-09	3.75E-08
FBN1	8.4595838	20.001166	1.2414255	2.68E-11	2.28E-09
CNTFR	2.4209257	5.8540249	1.2738701	8.61E-05	0.0003596
LMOD1	9.5373889	49.440126	2.3740161	3.25E-09	8.28E-08
LY6G6C	5.4502974	16.248396	1.5758905	0.0028179	0.0070038
DPYSL3	33.721311	82.903107	1.2977655	1.07E-09	3.54E-08
KCNH2	1.4445975	7.0655533	2.2901349	2.48E-11	2.21E-09
FAM107A	1.6555752	4.4196482	1.4165989	0.0052377	0.0118131
ADH1B	1.4311162	3.679832	1.3624991	1.02E-05	5.98E-05
CLDN6	1.362646	12.311856	3.1755656	1.87E-05	9.95E-05
PSAPL1	1.3004483	2.8940573	1.1540844	0.0005448	0.0017368
FAM110B	1.5344969	3.2103752	1.0649762	2.67E-11	2.28E-09
HGF	0.9480916	3.7621604	1.988463	7.57E-14	2.68E-11
BNC2	0.8225033	2.0956408	1.3492981	3.18E-11	2.56E-09
OLR1	19.711739	39.473025	1.001812	0.000204	0.0007476
F2RL2	1.9331587	4.5543191	1.2362753	7.05E-06	4.37E-05
FLNC	7.8819693	30.742896	1.963625	4.47E-15	3.56E-12
PPP1R12B	5.3902698	13.495968	1.324099	7.86E-13	1.72E-10
BST1	7.2866647	14.604175	1.0030504	8.63E-06	5.19E-05
HAS1	1.3789191	5.8730112	2.0905625	2.90E-06	2.07E-05
NEURL1	1.8419866	4.9000021	1.4115198	0.000191	0.0007058
LINC01356	0.1865266	2.1979076	3.5586777	0.0131329	0.0259656
TPM2	161.44198	332.1186	1.0406828	7.08E-06	4.38E-05
SPOCD1	21.045706	9.1764267	-1.197522	0.0054913	0.0122981
AOX1	0.8149932	3.1991134	1.9728121	7.20E-11	4.55E-09
GJA5	4.8646092	12.246705	1.3319978	1.77E-05	9.46E-05
FASN	95.597129	207.58582	1.1186687	5.21E-23	4.14E-19
FIBIN	4.7172668	12.178912	1.3683622	2.33E-09	6.48E-08
SVEP1	1.3878348	2.9903939	1.1074997	2.46E-13	6.74E-11
IL6	7.8698503	18.301546	1.2175574	1.43E-05	7.92E-05
AC253536.3	0.7061883	1.443415	1.0313614	1.50E-07	1.78E-06
ENDOU	0.2698302	1.7402386	2.6891614	1.88E-07	2.16E-06
ATP7B	1.0321941	2.390245	1.2114443	3.73E-05	0.0001777
AC084880.1	2.4484975	7.6100929	1.6360173	1.08E-14	7.48E-12
CGA	0.3752	10.539028	4.8119381	0.0265082	0.0471968
SLC7A10	0.4408799	1.6540025	1.9075039	0.0001552	0.0005912
NR3C2	1.3000617	2.8659721	1.1404445	4.03E-07	3.99E-06
TAGLN	66.985645	200.22836	1.5797225	1.55E-09	4.72E-08
PKDCC	4.7302731	12.278041	1.376085	7.99E-10	2.84E-08

LEP	0.4669751	1.9953883	2.095252	1.37E-09	4.27E-08
PCDH18	2.6873101	5.6215243	1.0647986	2.95E-11	2.46E-09
ALOXE3	0.9327817	2.2543271	1.2730855	6.31E-05	0.0002759
NIBAN1	12.929462	27.309581	1.0787449	1.26E-09	4.01E-08
A2M	117.31172	290.57754	1.3085761	4.58E-10	1.90E-08
MAPK4	0.8071838	1.8015865	1.1582987	2.95E-06	2.10E-05
MEOX1	1.8311952	3.9047102	1.0924299	0.0003699	0.0012457
MFAP5	6.0365848	16.984011	1.4923728	3.52E-09	8.70E-08
MMRN1	1.0251229	2.2196548	1.1145384	0.0061507	0.0135498
SLC51B	0.5195482	1.5060363	1.5354271	5.91E-08	8.26E-07
SLCO2B1	5.7553124	11.998731	1.0599157	2.51E-06	1.83E-05
BMP4	11.28527	23.471799	1.0564875	0.0001015	0.0004135
KRTAP3-1	0.1852495	14.970841	6.3365417	7.17E-06	4.42E-05
DIXDC1	2.7025779	5.9136781	1.1297195	6.52E-13	1.48E-10
SMOC2	10.713625	35.409193	1.7246772	8.42E-12	9.78E-10
EML1	2.9468239	5.9937327	1.0242939	6.40E-14	2.42E-11
HSD17B6	4.5807069	10.244926	1.1612673	4.75E-11	3.50E-09
ASB5	0.2626434	2.3592195	3.1671324	7.28E-08	9.80E-07
LPL	3.7665792	8.4271916	1.1617971	1.02E-07	1.30E-06
NEGR1	0.7668361	1.8228454	1.249202	7.41E-10	2.70E-08
TENT5B	8.1084614	16.343771	1.0112408	4.08E-07	4.02E-06
C4A	1.4910886	4.1768262	1.4860411	9.53E-10	3.23E-08
ITGBL1	1.5754739	4.4385992	1.4943186	1.02E-12	2.05E-10
PGM5-AS1	0.4107825	2.9552013	2.8468098	1.24E-05	7.05E-05
ISLR	67.769575	135.91446	1.0039893	5.39E-08	7.67E-07
PRDM6	1.0142492	2.2101782	1.1237506	2.35E-06	1.73E-05
VAT1L	0.7933751	2.0056721	1.3380108	8.75E-08	1.15E-06
IGHD	11.909974	34.288896	1.5255712	0.0001005	0.0004101
CCN5	2.1842457	7.5352752	1.7865251	1.65E-08	3.00E-07
C16orf89	0.9788883	3.412934	1.8017964	2.07E-05	0.0001082
FMO8P	3.3520944	1.3647414	-1.296435	0.0248552	0.0447141
OLFML3	20.162552	45.220967	1.1653136	1.41E-10	7.48E-09
KRT40	0.3556348	2.9636975	3.0589297	0.0021262	0.0055154
SPEG	1.7166863	3.9002678	1.1839468	2.86E-06	2.04E-05
TRIM63	0.5015868	1.8153554	1.8556808	7.89E-13	1.72E-10
ACKR1	11.684023	36.929386	1.6602322	0.0104851	0.0213951
AC106875.1	1.232152	2.711421	1.1378689	0.0107483	0.0218649
ABCC9	0.8326119	1.8323865	1.1380078	3.59E-13	9.53E-11
NDNF	0.9808411	2.6249432	1.4201949	0.0001955	0.0007205
GREM2	0.6336483	1.8603856	1.5538474	2.96E-08	4.78E-07
PDGFRA	5.2099952	11.061377	1.0861771	1.82E-09	5.39E-08
P4HA3	2.9298955	5.9290766	1.0169582	4.81E-09	1.12E-07
MYLK	6.4328988	21.066619	1.7114179	2.67E-12	4.10E-10

MYL9	199.14856	525.13674	1.3988481	8.15E-08	1.08E-06
EPYC	1.5453761	4.9864744	1.6900622	3.77E-06	2.57E-05
IGF2BP1	2.3628837	4.8583523	1.0399185	0.0082109	0.0173439
KISS1R	0.736052	1.634105	1.1506211	0.0056948	0.0126913
MTCO2P2	2.3576437	1.1055729	-1.092552	0.0084459	0.0177579
SCUBE3	1.4661135	3.9539865	1.4313111	3.14E-08	5.00E-07
MOXD1	6.1788521	13.074129	1.0813041	2.11E-10	1.04E-08
KCNMB1	2.3895741	7.307795	1.6126827	1.61E-06	1.27E-05
SIGLEC6	0.4360469	4.5881581	3.39536	8.62E-11	5.17E-09
TMEM100	0.5557959	2.1997307	1.9846999	1.98E-09	5.69E-08
IRAG1	5.0824964	13.55444	1.4151563	2.50E-11	2.21E-09
JAM3	1.7305946	5.4451231	1.6536969	1.89E-14	1.04E-11
RN7SL809I	0.8566703	1.7973	1.0690193	0.0004328	0.001426
FABP7	1.8979718	39.909427	4.3941991	2.73E-05	0.0001364
TPSD1	1.1690772	2.6627185	1.1875297	0.0052219	0.0117842
CAVIN2	5.6791449	16.488453	1.5377104	4.38E-10	1.83E-08
ARID3A	8.1006305	16.46565	1.0233533	2.69E-09	7.17E-08
PTGS1	14.355586	29.731959	1.0504023	1.27E-06	1.04E-05
WNT11	4.4878564	9.7007977	1.1120769	2.55E-05	0.0001292
ERVH48-1	7.9992889	17.820529	1.1555965	0.0008736	0.0025858
GPR1	1.158096	3.6489058	1.655709	4.67E-08	6.83E-07
CLC	0.5443899	2.1520784	1.9830183	0.0018195	0.0048359
P2RY14	0.9738363	2.0651696	1.0845091	1.19E-05	6.79E-05
SLC2A3	15.717284	36.293881	1.2073744	1.06E-08	2.08E-07
TRPS1	2.3897894	4.8826436	1.030779	2.15E-06	1.61E-05
TMTC1	2.0003891	4.4973617	1.1687983	7.16E-11	4.54E-09
CAPN6	1.2326799	6.6549911	2.4326386	3.16E-10	1.41E-08
PCSK1	0.8130465	2.2961505	1.4978074	3.14E-06	2.22E-05
NHSL2	1.1473127	2.3286597	1.0212412	4.94E-08	7.11E-07
CKMT2	0.6335774	1.4352612	1.1797206	5.06E-11	3.63E-09
SNORD17	21.298775	50.410744	1.2429608	0.0048191	0.0110032
CHRD12	4.6335728	23.484301	2.3414997	2.08E-11	1.93E-09
PDLIM3	5.7571589	14.376393	1.3202728	1.52E-08	2.81E-07
IGLV4-60	10.091396	25.091433	1.3140691	0.0051211	0.0115962
FABP3	27.718053	129.82741	2.2276971	0.0176137	0.033298
PRR9	8.4388272	34.482181	2.0307366	1.93E-07	2.21E-06
AKR1B1	122.11551	251.44318	1.041986	3.36E-08	5.24E-07
CCER2	35.897395	1.447501	-4.632243	0.0122933	0.0245373
CYP26B1	3.7820282	8.5441045	1.1757692	1.90E-05	0.0001006
ZEB1	4.3579112	8.8525347	1.0224538	2.04E-09	5.86E-08
CLDN8	3.0782127	6.7956244	1.1425132	0.019442	0.0361377
FILIP1L	12.302014	26.841577	1.1255749	4.82E-11	3.52E-09
RPTN	0.4979698	1.6351711	1.7153115	0.0142133	0.0277807

AL162376.1	6.8312117	1.6587787	-2.04202	0.0056394	0.0125802
AC005180.2	1.3408748	7.165421	2.417877	1.33E-06	1.07E-05
GULP1	1.209505	2.4897721	1.041597	1.80E-11	1.74E-09
MSRB3	5.9837505	15.647796	1.3868375	8.87E-10	3.07E-08
MEG3	1.380652	3.6839535	1.4159051	2.35E-08	3.99E-07
AP001189.3	0.6956512	1.6871922	1.2781884	2.98E-10	1.34E-08
SORBS1	4.5530307	22.027111	2.2743812	1.53E-14	9.36E-12
INSYN1	0.8495922	1.8709457	1.1389252	1.07E-09	3.54E-08
SERPINI1	5.3234343	11.937042	1.1650161	0.0091533	0.0190339
COLEC12	2.9504893	9.332704	1.6613409	5.36E-11	3.75E-09
SLC2A4	0.5911149	3.075338	2.3792346	8.91E-12	1.02E-09
PYGM	0.5694521	2.294264	2.0103849	1.54E-09	4.70E-08
HSD11B1	4.0027812	8.0149086	1.0016833	9.93E-06	5.83E-05
COL14A1	6.1328929	20.790473	1.7612829	1.75E-13	5.37E-11
INMT	2.4391087	4.8782927	1.0000223	1.08E-07	1.36E-06
TNS1	10.900905	35.199835	1.6911208	1.68E-12	3.00E-10
DCHS1	2.6923949	6.1862101	1.2001658	1.11E-15	1.26E-12
HSPB7	3.9722957	17.914011	2.1730435	4.50E-10	1.88E-08
KANK2	20.542448	41.642967	1.0194648	2.98E-12	4.39E-10
CLEC4GP1	0.5357607	2.0291653	1.9212257	0.013444	0.0265081
ISL1	0.7098517	2.1612186	1.6062556	0.0054756	0.0122715
COL1A2	437.9882	977.29241	1.1578983	2.77E-10	1.28E-08
LGR6	2.1171206	4.7571825	1.1680039	0.0017536	0.0046929
SFRP1	6.8747479	14.613515	1.0879245	3.21E-09	8.24E-08
SYNC	0.8607667	1.8605305	1.1120199	2.82E-11	2.37E-09
HSPB8	27.487985	81.096291	1.5608348	2.89E-14	1.39E-11
CRISPLD2	15.787197	33.688151	1.0934862	5.41E-13	1.27E-10
AC078880.3	4.530749	0.9767269	-2.213722	1.96E-05	0.0001034
SCEL	4.9690198	13.158817	1.4049966	1.08E-06	9.10E-06
AC124067.4	0.5729307	1.560617	1.445684	0.0005586	0.0017749
AC011487.2	24.94204	55.438221	1.1523015	0.0042449	0.0098592
CCL23	1.1524132	2.9253429	1.3439477	0.000942	0.0027595
RSPO3	0.9263028	2.1536913	1.2172557	1.62E-08	2.96E-07
VSIG4	16.482404	36.107425	1.1313689	3.43E-05	0.0001658
SLC1A6	9.6091795	22.965652	1.2569926	2.38E-06	1.75E-05
CSDC2	2.0014548	7.0129868	1.80898	1.66E-11	1.66E-09
ADAMTS8	0.7656215	2.968851	1.9552015	3.54E-06	2.44E-05
HAND2	1.0588327	3.2933394	1.6370766	1.04E-06	8.83E-06
ACTG2	65.150323	340.74052	2.3868293	1.24E-08	2.37E-07
RGS2	39.66832	97.316714	1.2947003	1.54E-11	1.57E-09
LBP	1.8189343	10.117856	2.4757382	0.0021425	0.0055523
MUC16	1.422053	3.2652782	1.1992307	0.0003265	0.0011183
SOD3	30.670577	79.823803	1.3799637	5.12E-10	2.06E-08

FGFBP2	0.432836	4.0268751	3.2177684	0.001707	0.0045881
AC005180.1	0.7773629	4.7146393	2.6004873	7.72E-08	1.03E-06
FAM124A	0.7951888	1.6379038	1.0424813	3.79E-09	9.23E-08
AGTR1	0.8456015	2.0750452	1.295093	1.69E-09	5.10E-08
SBSPON	3.4252475	10.461726	1.6108407	3.62E-10	1.59E-08
CTSG	1.6549185	10.174054	2.6200625	2.75E-06	1.98E-05
NRCAM	3.1153252	6.2337601	1.0007198	2.90E-05	0.000143
COL15A1	24.180594	50.146943	1.0523121	3.34E-09	8.43E-08
PI16	1.4249152	13.344738	3.227323	2.39E-06	1.76E-05
REEP1	1.0069901	3.1618601	1.650724	7.27E-16	1.05E-12
GPIHBP1	1.2870634	2.9589266	1.2009908	0.0004635	0.0015128
COL5A1	67.044401	134.25197	1.0017545	6.17E-09	1.35E-07
ITGA7	5.5635614	15.978811	1.5220795	1.44E-15	1.53E-12
ECRG4	0.7552748	4.4279724	2.5515728	1.10E-09	3.59E-08
HP	0.9444411	2.9104483	1.6237087	0.0041301	0.009636
FDCSP	93.852859	225.67889	1.2657989	1.93E-05	0.0001019
MAOB	5.867836	19.891446	1.7612477	1.80E-09	5.35E-08
NOTUM	1.6409734	80.584987	5.6178873	0.0003399	0.0011588
ZNF469	2.0232906	4.1148691	1.024143	5.58E-07	5.25E-06
CYP4F29P	10.758162	4.0428875	-1.411974	0.006434	0.0140765
LINC02544	1.4318191	3.9280081	1.4559486	3.51E-07	3.58E-06
MBNL1-AS	0.8567531	2.1350068	1.3172892	7.72E-09	1.61E-07
THRSP	0.1955875	5.9558553	4.9284229	0.0271293	0.0480983
SIGLEC14	4.8308343	11.17278	1.2096439	5.66E-05	0.0002511
GFRA3	2.1497893	4.9805114	1.2120986	5.40E-09	1.23E-07
ODAPH	1.5943436	3.7177219	1.2214563	0.0025107	0.0063412
RGN	0.8662629	2.2178203	1.3562657	4.29E-06	2.85E-05
MRC1	7.5492967	18.213806	1.2706183	0.0001202	0.0004765
SPON1	10.068382	26.076788	1.3729343	1.18E-12	2.35E-10
NOG	1.0919041	4.235749	1.9557709	4.73E-06	3.11E-05
CHODL	1.0854627	2.8049139	1.3696463	0.0036821	0.0087538
LINC00482	2.4900084	5.8583035	1.2343323	0.0165248	0.0315729
KRT34	0.9039908	5.5774442	2.6252243	0.0020526	0.0053578
CD8B2	0.8372805	2.0630414	1.3009898	0.0015874	0.0043132
ANKRD44	2.323469	0.8290875	-1.486684	0.0203024	0.0375335
UPK1B	273.36332	557.24203	1.0274844	0.0002493	0.0008882
PLA2G5	0.9396084	2.630298	1.4850947	2.23E-09	6.24E-08
MEST	27.103001	56.355272	1.056098	2.74E-05	0.0001368
FBXL22	0.8303706	2.163236	1.3813637	9.58E-10	3.24E-08
GAS7	3.2253866	8.6887624	1.4296786	2.12E-14	1.10E-11
TMEM88B	0.7979932	1.8474446	1.2110826	0.0111767	0.0225949
SLN	0.4190264	2.3531545	2.489483	0.0281189	0.0495593
ADAMTS1	3.8775071	7.9571696	1.0371259	4.90E-08	7.07E-07

PODN	8.1013886	21.687904	1.4206495	3.31E-14	1.53E-11
POPDC2	2.9519378	8.4756158	1.5216559	5.24E-05	0.0002355
XPNPEP2	0.30433	2.2538426	2.8886781	8.07E-10	2.87E-08
LYVE1	1.614516	9.3127635	2.5281076	5.15E-07	4.90E-06
HEPH	3.8399003	9.9020617	1.3666601	1.60E-10	8.27E-09
FGFR1	5.4040866	16.005979	1.5664882	2.62E-12	4.08E-10
F10	0.8859323	2.4540957	1.4699231	2.40E-07	2.63E-06
CYP11A1	3.4447043	8.7935185	1.3520604	5.16E-07	4.90E-06
CSF3R	3.4597314	8.1496036	1.2360699	7.24E-07	6.55E-06
CIDEC	0.4722149	2.7423455	2.537895	5.09E-07	4.86E-06
PIP5K1B	1.1287366	2.542367	1.1714634	4.76E-08	6.92E-07
GHR	0.7583868	1.6723682	1.1408867	4.01E-13	1.03E-10
FAM180A	0.5495944	1.6862686	1.6173952	7.43E-12	8.82E-10
NID2	4.2180898	9.8426959	1.2224637	3.51E-11	2.78E-09
DAAM2	1.0000781	2.1503474	1.1044571	6.38E-14	2.42E-11
PCP4	11.824969	67.973075	2.523127	2.01E-06	1.52E-05
MOGAT2	5.7422944	2.0381086	-1.494396	1.84E-05	9.79E-05
CFD	35.783956	80.416264	1.1681744	1.94E-05	0.0001025
PID1	2.248004	4.7417851	1.0767857	8.93E-09	1.81E-07
CCDC80	11.009359	32.013712	1.5399595	8.27E-12	9.68E-10
ADAM12	7.2755974	14.871858	1.0314473	1.17E-09	3.78E-08
AC103563.2	1.0080921	2.1096218	1.065357	0.0109877	0.022275
MFAP4	47.909203	129.36929	1.4331205	8.25E-10	2.90E-08
CEMIP	5.8155302	14.076003	1.2752551	5.61E-07	5.26E-06
CHL1	1.561955	3.3605383	1.1053395	1.47E-08	2.73E-07
AL391650.2	4.2607152	8.5398233	1.0031106	8.65E-05	0.0003607
SGCD	0.893487	2.3904736	1.4197779	4.82E-12	6.33E-10
KRT1	34.370226	173.84757	2.3385917	0.0093005	0.0193073
TBX4	1.0177992	3.3503795	1.7188716	7.98E-05	0.0003373
LINC01614	4.231371	10.137289	1.2604748	1.93E-09	5.62E-08
VSIG10L	5.2841231	13.003467	1.2991603	5.13E-08	7.35E-07
ACHE	2.6511191	6.084097	1.1984417	0.0076292	0.0162554
CST2	3.6693063	7.4627404	1.0241982	0.0094685	0.0196047
HSPG2	20.704146	41.621083	1.0073948	1.02E-13	3.39E-11
BTBD16	72.116263	34.101523	-1.080488	0.0071589	0.0154144
SOSTDC1	0.9040391	6.5675589	2.8609001	0.0007542	0.0022822
AOC3	12.616088	33.754453	1.4198132	1.18E-10	6.52E-09
MYOCD	0.5935525	2.6397246	2.1529399	6.97E-09	1.49E-07
SULF1	24.217162	51.774464	1.0962109	9.44E-09	1.88E-07
HIF3A	0.6854889	2.4694551	1.8489874	3.26E-09	8.30E-08
CYP1B1	9.4444658	20.073572	1.0877562	4.34E-08	6.41E-07
CASQ2	1.7883875	12.414224	2.7952628	7.49E-09	1.57E-07
IGFBP5	72.655816	206.14757	1.5045273	4.77E-12	6.33E-10

CGREF1	4.3191531	9.023703	1.0629711	3.51E-07	3.58E-06
CST5	0.6507802	4.6149431	2.8260706	0.0074787	0.0159991
HRC	0.9053838	2.0887993	1.2060725	0.0015883	0.0043151
ABCC2	0.8109322	2.3414878	1.5297723	0.0089169	0.0186031
TXNRD1	34.717931	70.444695	1.0208101	3.36E-14	1.53E-11
PSD	2.3377535	8.006497	1.7760484	2.19E-08	3.78E-07
PLN	3.538855	17.871176	2.33628	6.08E-10	2.29E-08
DTNA	1.0168	2.5970436	1.3528343	1.96E-07	2.23E-06
DDIT4L	0.6139526	1.9997936	1.7036518	1.23E-11	1.32E-09
KRT24	3.4750102	38.977215	3.4875419	3.20E-05	0.0001558
ATP1A2	0.3791003	5.9285304	3.9670229	1.90E-06	1.45E-05
COL3A1	681.00501	1562.1395	1.197786	1.47E-09	4.54E-08
ACP3	3.4239353	12.01285	1.8108511	0.0038624	0.009109
GALNT16	0.5227672	1.5137825	1.5339175	5.17E-10	2.07E-08
ADIPOQ	0.3949792	2.9812116	2.9160501	2.16E-06	1.62E-05
AC040174.2	1.8827886	0.8058581	-1.224273	0.0012251	0.0034508
C6orf15	1.8449139	22.299931	3.5954139	0.0002049	0.0007498
NEXN	5.6343729	12.300745	1.1264187	4.76E-08	6.92E-07
FOXF1	6.8463653	15.412079	1.1706513	1.26E-06	1.03E-05
GPC6	3.323803	7.5357883	1.1809236	1.21E-09	3.88E-08
CSRP1	55.467835	112.4592	1.0196784	3.07E-09	7.95E-08
MYH11	18.426606	136.508	2.8891232	2.58E-07	2.79E-06
DMRT2	1.0265386	2.2051213	1.1030701	0.0093803	0.019455
LGALS12	0.2419876	1.7871866	2.8846851	1.73E-07	2.01E-06
GALNT17	0.7277337	3.1642109	2.1203633	4.03E-10	1.72E-08
CD163	14.345981	32.375799	1.1742692	1.77E-05	9.49E-05
DDR2	3.431202	9.4194858	1.4569343	4.31E-13	1.06E-10
NRK	0.7971871	1.6260059	1.0283422	6.83E-09	1.46E-07
AXIN2	4.5766818	10.754049	1.232506	1.75E-06	1.36E-05
SPINK1	1394.8462	694.55912	-1.005937	0.0067495	0.0146658
HSPB6	2.627933	17.848675	2.7638166	5.84E-11	3.93E-09
CDH11	6.2457779	13.315985	1.092206	1.71E-10	8.68E-09
PDE1A	0.9792246	2.2736102	1.2152733	1.31E-09	4.14E-08
AARD	0.6252299	1.4220715	1.1855354	3.70E-09	9.05E-08
AP003071.4	0.879383	2.4775309	1.4943395	7.82E-09	1.62E-07
COL6A3	59.223342	125.27615	1.0808739	8.86E-11	5.28E-09
CACNA1H	4.0345916	8.7972911	1.1246367	4.07E-06	2.73E-05
ZNF521	1.9151503	4.0247705	1.0714489	5.44E-10	2.14E-08
CDX1	1.1147675	3.645187	1.70925	1.14E-05	6.59E-05
CHRD	1.0965731	2.480337	1.1775341	3.85E-09	9.34E-08
RBP4	10.724909	25.846601	1.2690092	6.13E-05	0.000269
HS3ST3A1	1.1499503	2.3651653	1.0403695	9.82E-06	5.77E-05
CILP	4.6509177	15.511352	1.7377372	1.94E-09	5.63E-08

INHA	1.7388366	4.8114601	1.4683524	0.0163543	0.0312889
THBS4	1.60163	3.6996777	1.2078587	1.98E-10	9.84E-09
DES	108.88356	785.12411	2.8501346	3.20E-08	5.08E-07
MGP	80.24458	186.91065	1.2198729	4.16E-08	6.20E-07
ANGPTL1	0.960437	5.8239398	2.6002326	5.38E-08	7.66E-07
DIRAS3	1.1876097	3.0602013	1.3655657	1.56E-08	2.87E-07
AVPR2	0.6955875	1.4002371	1.0093673	8.55E-05	0.0003578
PADI2	3.3214201	7.2493911	1.1260596	6.54E-05	0.0002842
SULT1C4	0.9409033	2.6786942	1.5094115	0.000246	0.0008782
PDK4	11.20228	26.294665	1.2309776	1.49E-08	2.75E-07
CCR2	1.0148982	2.5461464	1.3269804	0.0006907	0.0021169
SYNPO2	3.865629	19.323214	2.3215599	3.18E-07	3.31E-06
C4B	1.7383856	4.7204769	1.4411845	1.86E-08	3.33E-07
CPXM2	5.0136429	17.084779	1.7687805	2.40E-11	2.16E-09
AL606500.1	7.3157594	18.288624	1.321867	6.20E-05	0.0002716
SMTNL2	1.8303284	4.264934	1.2204209	2.02E-06	1.53E-05
ADGRA2	7.0314497	16.707233	1.2485787	6.17E-13	1.42E-10
ADAMTS9	2.1024853	4.7113782	1.1640534	2.68E-10	1.24E-08
STEAP4	3.2975421	6.6257916	1.0067018	1.13E-08	2.19E-07
PCDH19	0.8726223	1.8129069	1.0548757	6.53E-05	0.0002838
ACKR2	4.6428328	10.519796	1.1800295	9.14E-06	5.44E-05
GLIS1	0.779803	1.9394442	1.3144617	1.89E-07	2.16E-06
SERPINF1	68.997759	149.7885	1.1183055	3.84E-10	1.66E-08
PLAAT5	0.5719688	2.8060071	2.2945103	5.72E-16	1.03E-12
GREM1	8.7714061	18.436607	1.0716931	1.29E-08	2.44E-07
CTSE	94.402769	22.559179	-2.065115	0.0041542	0.0096819
CNN1	35.539516	193.44629	2.4444371	8.80E-09	1.78E-07
CADM3	0.8035116	3.2942236	2.0355478	3.67E-06	2.51E-05
SYNM	6.1905309	35.839914	2.5334322	1.11E-08	2.16E-07
SGCA	1.9038578	7.5372746	1.9851173	5.49E-05	0.0002454
PTX3	6.4726254	13.858339	1.0983314	4.05E-05	0.00019
BMX	1.531002	3.9082234	1.3520368	0.0003252	0.0011146
TMEM119	11.711683	23.911944	1.0297829	3.76E-08	5.71E-07
FHL1	12.021505	36.48063	1.6015131	2.34E-06	1.73E-05
SELE	5.1034985	11.814145	1.2109567	2.35E-05	0.0001203
FGF7	2.2096186	8.4457452	1.9344273	4.21E-13	1.05E-10
EMILIN1	44.398991	105.04591	1.2424212	1.09E-10	6.07E-09
PGM5	2.7902147	13.678999	2.2935146	3.39E-09	8.52E-08
FADS6	1.7466739	4.1065576	1.2333192	0.0033717	0.0081226
NCAM1	0.8206607	3.9701932	2.2743514	8.36E-10	2.94E-08
CNTN1	2.2614033	11.257843	2.3156402	5.30E-10	2.10E-08
CLSTN2	0.6070574	2.3293851	1.9400443	3.16E-12	4.57E-10
TMEM255	0.6528688	1.3547853	1.0531992	2.96E-07	3.12E-06

NCMAP	1.1463191	3.0490827	1.4113665	0.0065781	0.0143483
HSPA2	8.3901488	17.940662	1.0964648	9.70E-07	8.31E-06
PTGDS	1.0225475	2.2331106	1.1268868	4.54E-05	0.0002089
MYOM1	0.8072017	2.3092886	1.5164475	3.82E-07	3.83E-06
LRRN4CL	2.333397	5.1020099	1.1286339	3.05E-07	3.20E-06
HUNK	1.2480167	2.9569483	1.2444718	1.10E-09	3.60E-08
AC008443.2	0.6013703	1.5502863	1.3662092	0.0004402	0.0014468
PDE5A	2.7871483	6.3108924	1.1790542	9.21E-13	1.93E-10
TRH	0.0342959	10.188518	8.2146934	2.58E-05	0.0001302
KIF26A	0.93755	2.7423018	1.5484198	3.75E-11	2.89E-09
PLIN1	1.3599881	4.0345203	1.5688031	0.0111184	0.0224941
TACR2	1.0195155	4.4665457	2.1312758	3.03E-06	2.15E-05
CMA1	0.5674398	4.4487135	2.970849	5.94E-06	3.75E-05
CXCL12	8.5251809	27.512297	1.6902743	4.15E-13	1.05E-10
CES1	58.775976	142.23584	1.2749865	1.25E-13	4.07E-11
S100A2	2344.1628	1116.7314	-1.069791	2.07E-05	0.0001083
CACNA1C	0.760936	2.1430243	1.4938012	8.11E-13	1.73E-10
PRKG1	0.6673413	1.6452378	1.3017995	2.13E-11	1.96E-09
PDE3A	0.7925884	1.7418936	1.1360126	5.95E-10	2.27E-08
HMCN1	0.8943784	2.2320206	1.3193931	2.43E-06	1.78E-05
RGS11	0.6622282	1.627383	1.2971534	3.89E-06	2.63E-05
EFHD1	6.0204	19.124317	1.667477	4.31E-09	1.02E-07
CDKN1C	22.103407	49.818871	1.1724235	1.30E-05	7.30E-05
FGF12	1.7224413	3.6899274	1.0991376	0.0058468	0.0129664
FCGR3B	2.0155305	4.4998579	1.1587198	0.0011712	0.0033177
RBPM5	6.3089229	18.554077	1.5562706	1.85E-12	3.21E-10
AC053503.2	0.5943985	5.2418731	3.14058	2.51E-07	2.73E-06
NXPH3	1.10683	3.8017911	1.7802456	5.87E-11	3.93E-09
LIMS2	5.0626792	11.436455	1.175667	8.00E-06	4.86E-05
DPT	3.6705635	10.222718	1.4777053	2.15E-06	1.61E-05
ADAMTS5	1.1787632	2.4437835	1.0518426	5.97E-09	1.32E-07
TMOD1	1.691936	3.8186865	1.1744015	4.05E-09	9.68E-08
PRUNE2	1.1307518	4.3443601	1.9418614	2.51E-12	3.99E-10
TPSB2	11.993273	24.045638	1.0035498	0.0005365	0.0017164
SLC12A3	0.1627048	2.0459848	3.6524669	0.001181	0.0033414
COL1A1	920.50199	1946.1656	1.0801417	9.95E-10	3.35E-08
OMD	0.8298579	2.652979	1.676677	3.78E-08	5.73E-07
CST6	102.68983	250.49617	1.2864952	0.0136432	0.026851
PROX1	0.8742795	2.284567	1.3857542	0.0002823	0.000987
CXCL14	77.147153	197.18656	1.3538764	0.0212838	0.0391206
MGLL	7.4564784	15.105997	1.0185551	1.80E-11	1.74E-09
STXBP6	0.8147342	1.934452	1.2475236	4.12E-09	9.77E-08
TNXB	0.6741946	3.8516497	2.5142396	8.23E-18	3.27E-14

LMCD1	8.161688	17.716857	1.1181832	8.42E-11	5.09E-09
CLIC5	1.003453	2.4707667	1.2999858	9.97E-06	5.85E-05
CDH17	0.4393086	11.108716	4.6603136	0.0216346	0.039683
AL354919.2	2.1256767	0.7875183	-1.432537	0.0012807	0.0035841
CARMN	0.8252444	2.9384358	1.8321551	3.13E-06	2.21E-05
CPED1	1.40478	3.7189672	1.4045578	1.22E-12	2.37E-10
KRTAP5-10	4.050429	1.5451497	-1.390328	0.0017157	0.0046058
FERMT2	7.7409818	17.17795	1.1499694	2.13E-12	3.54E-10
CRYAB	8.7565017	23.225687	1.4072948	5.97E-11	3.93E-09
ADAM33	1.5807884	4.9900201	1.6584013	4.78E-09	1.11E-07
AC018755.4	4.1984541	8.9577384	1.0932763	0.0047057	0.0107721
ADAMTS10	1.1047046	2.9820924	1.4326643	3.27E-09	8.31E-08
GATA5	0.4854691	2.7310442	2.4920012	9.19E-07	7.97E-06
CHI3L1	47.605502	142.03732	1.5770699	3.95E-06	2.67E-05
PTGIS	5.7456596	35.580282	2.6305335	3.68E-19	1.95E-15
C2orf72	1.8554833	4.8329802	1.381118	0.0243893	0.0439863
ZFHX4	0.8639302	2.0541698	1.2495688	2.11E-09	5.98E-08
FADS2	16.94565	40.69348	1.2638827	5.38E-14	2.20E-11
NKD1	1.122412	5.1397185	2.1950869	2.90E-07	3.08E-06
GEM	11.645688	28.107267	1.2711473	2.37E-11	2.14E-09
PDZRN4	0.291687	1.7177551	2.5580316	5.02E-11	3.61E-09
FGF18	0.7208728	1.9495865	1.4353516	3.74E-08	5.69E-07
SIGLEC5	0.4768488	1.7769483	1.8977978	2.53E-06	1.84E-05
GATA6	2.623397	5.5766447	1.0879612	1.00E-07	1.28E-06
GNAO1	0.6321809	1.4087987	1.1560562	1.10E-08	2.14E-07
TMEM108	0.7274446	1.5992914	1.1365237	7.23E-10	2.66E-08
SSTR5-AS1	1.6993155	0.3219272	-2.400147	0.0167667	0.0319664
AC093849.2	0.778355	1.5913772	1.0317757	1.66E-06	1.30E-05
FENDRR	1.8399825	5.9521271	1.6937133	8.51E-06	5.13E-05
IQGAP2	1.8454464	3.9804322	1.1089553	1.68E-07	1.96E-06
MYH3	1.4707031	3.5146703	1.2568833	0.0149976	0.029131
ACTA2	68.813887	222.38617	1.6922954	3.74E-11	2.89E-09
VSIG1	3.7685606	1.6640922	-1.179278	0.0053772	0.0120766
MAP1A	2.3678764	6.2972198	1.4111212	4.41E-15	3.56E-12
PEG10	15.401247	35.335117	1.1980555	0.0008679	0.0025713
PDZRN3	3.9502992	8.304462	1.0719248	2.30E-08	3.93E-07
CPA3	7.8430119	20.487951	1.3852961	7.90E-08	1.05E-06
AQP5	1.5052845	3.588103	1.2531851	0.0031157	0.0076192
H2AC13	4.1251168	9.1989038	1.157027	0.0191885	0.0357526
CYP51A1	1.0744597	2.1510388	1.0014221	2.54E-13	6.84E-11
PRL	0.7116477	2.0127946	1.4999648	0.0002604	0.000921
SFRP4	27.900531	97.072885	1.7987758	8.38E-10	2.94E-08
F13A1	8.6855287	39.166442	2.1729325	4.96E-09	1.14E-07

OGN	0.7260408	5.666538	2.9643451	3.74E-11	2.89E-09
CLEC3B	2.8031403	5.8932234	1.072013	0.0150329	0.0291854
CD209	3.0275932	7.5006195	1.3088384	0.0004037	0.0013444