

**Supplementary Table 1 Differential expression genes**

<b>Gene</b>	<b>conMean</b>	<b>treatMean</b>	<b>logFC</b>	<b>P value</b>	<b>fdr</b>
HSPB6	2152.30	18959.31	3.14	3.56E-10	6.46E-08
PDK4	3645.66	7641.21	1.07	2.00E-03	7.61E-03
ABCB4	85.02	204.95	1.27	5.35E-03	1.66E-02
TAC1	21.10	132.05	2.65	9.36E-04	4.19E-03
SLC6A7	40.94	120.21	1.55	2.09E-07	6.18E-06
STMN4	3.36	9.17	1.45	1.55E-04	1.03E-03
IGF1	194.97	423.58	1.12	7.12E-06	9.40E-05
ATP1A2	160.61	1204.47	2.91	9.04E-09	6.62E-07
NRXN3	378.31	1599.39	2.08	6.68E-08	2.80E-06
FHL1	2866.47	13728.20	2.26	1.10E-08	7.37E-07
MYOC	85.84	321.66	1.91	1.88E-05	2.01E-04
TNC	9859.21	23483.70	1.25	3.00E-05	2.86E-04
EPHA3	638.60	1527.98	1.26	5.35E-06	7.62E-05
LMO3	193.94	519.95	1.42	2.21E-08	1.23E-06
METTL24	60.36	209.97	1.80	1.60E-06	3.04E-05
NNAT	109.11	572.39	2.39	1.07E-10	2.83E-08
CHRDL2	1650.76	4433.73	1.43	6.66E-06	8.93E-05
KCNH2	925.33	2303.41	1.32	2.18E-09	2.48E-07
PHF21B	14.12	36.69	1.38	2.29E-05	2.32E-04
ATP2B4	8800.65	17699.92	1.01	1.79E-04	1.15E-03
PSD	325.66	1549.91	2.25	5.25E-06	7.54E-05
RIMBP2	202.01	636.80	1.66	7.68E-13	9.92E-10
TSPAN32	67.22	224.39	1.74	2.54E-04	1.50E-03
NGFR	445.97	1046.52	1.23	3.74E-07	9.68E-06
CDON	494.06	1143.63	1.21	7.22E-08	2.95E-06
NTN1	1206.28	3125.14	1.37	5.46E-08	2.38E-06
GLP2R	77.44	215.17	1.47	2.10E-06	3.73E-05

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MYLK	9812.68	44476.80	2.18	4.75E-07	1.16E-05
SNAP91	26.16	75.80	1.53	7.06E-05	5.58E-04
EML1	1041.32	2261.80	1.12	1.27E-07	4.33E-06
PDZD4	115.28	425.58	1.88	3.34E-08	1.66E-06
ATP2B3	5.18	18.73	1.86	1.25E-04	8.75E-04
REEP1	345.38	844.31	1.29	1.74E-08	1.01E-06
STON1-GTF2A1L	8.04	18.92	1.24	1.65E-03	6.52E-03
RASGRP2	295.51	793.02	1.42	3.77E-09	3.61E-07
PYGM	99.88	409.03	2.03	1.23E-09	1.66E-07
ABCC9	887.44	2042.14	1.20	1.87E-06	3.40E-05
SCT	36.10	99.74	1.47	6.12E-03	1.85E-02
FGF10	95.19	310.24	1.70	5.32E-06	7.59E-05
CHAT	2.57	7.94	1.63	6.31E-05	5.15E-04
CAMK2A	30.26	76.34	1.33	2.12E-11	1.09E-08
RPS6KA6	90.36	208.49	1.21	1.86E-05	2.00E-04
LIMS2	1220.19	3698.77	1.60	3.14E-08	1.61E-06
SPEG	747.22	3103.34	2.05	2.94E-08	1.54E-06
MRVI1	2470.94	6546.36	1.41	3.75E-07	9.68E-06
FERMT2	2693.71	5724.16	1.09	3.45E-05	3.17E-04
WSCD2	176.32	366.75	1.06	2.34E-05	2.36E-04
TACR2	349.36	2167.18	2.63	2.11E-03	7.94E-03
PPP1R12B	5849.13	27729.39	2.25	5.10E-11	1.73E-08
DCX	33.68	166.22	2.30	4.00E-04	2.14E-03
ACTN2	57.39	316.38	2.46	6.68E-03	1.99E-02
ITGA8	852.31	1938.28	1.19	1.71E-03	6.70E-03
ADCY2	180.70	462.81	1.36	2.65E-07	7.47E-06
ADCYAP1R1	30.83	97.21	1.66	1.65E-06	3.11E-05
MYH7B	217.30	584.58	1.43	2.92E-08	1.54E-06
RUNX1T1	420.93	994.13	1.24	4.79E-09	4.26E-07

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TNS1	12877.12	41420.33	1.69	1.09E-06	2.25E-05
RIMS1	62.53	201.44	1.69	1.28E-05	1.48E-04
EPHA6	16.04	42.98	1.42	6.50E-04	3.16E-03
CHRNA3	119.16	614.98	2.37	3.60E-06	5.70E-05
PGR	124.42	383.21	1.62	3.00E-06	4.96E-05
COL19A1	31.18	105.87	1.76	2.15E-06	3.81E-05
GNAO1	512.64	2197.51	2.10	1.00E-10	2.78E-08
NOS1	61.07	134.17	1.14	2.14E-05	2.21E-04
SI	1842.70	4136.21	1.17	4.62E-05	4.03E-04
SMPX	48.67	212.57	2.13	1.41E-03	5.74E-03
CCDC80	7110.25	14639.28	1.04	1.52E-05	1.68E-04
SORBS1	4257.34	18106.45	2.09	3.03E-09	3.10E-07
CRTAC1	62.54	141.70	1.18	2.13E-06	3.77E-05
CRISP3	768.53	318.94	-1.27	7.02E-03	2.08E-02
MLN	14.05	68.91	2.29	1.55E-03	6.22E-03
PCDH11Y	3.50	10.79	1.62	2.50E-04	1.48E-03
SEZ6L	41.85	155.48	1.89	4.81E-04	2.48E-03
RASD2	366.84	740.03	1.01	4.64E-08	2.11E-06
CBX7	1219.89	2497.12	1.03	2.61E-12	2.89E-09
GALNT16	224.84	484.30	1.11	3.08E-07	8.41E-06
ASB2	398.74	1545.83	1.95	3.44E-07	9.06E-06
HRH3	5.76	22.74	1.98	4.52E-03	1.46E-02
MYL9	15878.89	58144.93	1.87	6.75E-05	5.39E-04
CHRD1	436.74	1399.88	1.68	2.23E-06	3.93E-05
VGLL1	361.49	149.66	-1.27	7.90E-03	2.28E-02
KLHL4	60.07	120.31	1.00	2.06E-04	1.28E-03
FGF14	88.28	200.28	1.18	6.65E-05	5.35E-04
MLNR	9.13	52.08	2.51	3.63E-05	3.32E-04
CBLN1	35.70	104.10	1.54	4.33E-06	6.57E-05

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FOXF1	1443.72	3125.18	1.11	8.77E-07	1.87E-05
SLC6A2	13.87	36.24	1.39	4.32E-03	1.40E-02
SFRP1	725.38	2018.03	1.48	5.29E-06	7.55E-05
STMN2	102.59	227.99	1.15	8.37E-08	3.30E-06
NEFM	21.03	43.65	1.05	2.22E-05	2.27E-04
FCER2	94.13	280.43	1.57	4.61E-04	2.40E-03
DMPK	1573.16	4037.10	1.36	2.97E-12	2.89E-09
TNNT1	419.37	168.13	-1.32	4.25E-06	6.48E-05
CLIP3	1141.78	2896.89	1.34	1.03E-08	6.97E-07
THEG	3.91	19.21	2.30	1.47E-02	3.72E-02
TMEM59L	52.66	105.44	1.00	5.44E-05	4.59E-04
GRIK5	154.88	439.58	1.50	1.17E-06	2.38E-05
VIPR2	85.45	249.14	1.54	1.58E-07	5.06E-06
CPED1	1056.48	3153.71	1.58	8.54E-07	1.84E-05
EPHB6	522.70	1085.11	1.05	1.39E-03	5.70E-03
PAX4	25.31	89.36	1.82	1.03E-05	1.25E-04
MEOX2	140.82	290.32	1.04	1.12E-05	1.34E-04
PRUNE2	2210.30	11121.22	2.33	3.92E-12	3.33E-09
OGN	1260.55	4379.19	1.80	5.63E-09	4.76E-07
NCS1	1561.98	3679.44	1.24	1.03E-07	3.79E-06
MPDZ	813.90	1633.78	1.01	1.06E-05	1.28E-04
PTGDS	2050.05	4341.57	1.08	9.38E-04	4.20E-03
CUBN	106.27	221.06	1.06	1.57E-05	1.73E-04
ACTA2	16124.57	41588.49	1.37	1.86E-05	1.99E-04
TLX1	200.82	405.99	1.02	2.98E-04	1.70E-03
SORCS1	42.76	142.35	1.74	1.08E-07	3.89E-06
LGI1	11.77	34.84	1.57	3.10E-05	2.92E-04
ASIC2	17.59	52.56	1.58	3.52E-03	1.19E-02
CNTNAP1	919.40	1842.09	1.00	8.02E-07	1.75E-05

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SGCA	172.11	537.40	1.64	3.78E-06	5.90E-05
HLF	239.21	747.25	1.64	9.22E-09	6.68E-07
PHOX2B	4.28	13.60	1.67	7.18E-04	3.41E-03
GABRA4	28.19	62.02	1.14	9.80E-06	1.21E-04
NKX3-2	105.84	326.05	1.62	1.10E-03	4.75E-03
CRYAB	865.17	2244.31	1.38	6.26E-05	5.13E-04
ZBTB16	136.79	566.35	2.05	3.34E-11	1.38E-08
NRXN2	300.44	620.86	1.05	1.23E-05	1.43E-04
C11orf21	63.14	188.53	1.58	2.03E-04	1.27E-03
CALCA	10.61	1004.59	6.56	7.00E-04	3.34E-03
PTPN5	40.66	92.98	1.19	8.57E-09	6.44E-07
KCNA1	17.16	154.69	3.17	3.01E-05	2.86E-04
RERGL	48.98	128.45	1.39	6.04E-03	1.83E-02
RBM24	67.70	199.37	1.56	1.66E-07	5.26E-06
CAP2	565.08	1377.20	1.29	4.51E-06	6.77E-05
RAB23	818.43	1843.76	1.17	7.17E-06	9.43E-05
KHDRBS2	7.74	18.94	1.29	2.76E-05	2.68E-04
BVES	316.20	1022.22	1.69	4.13E-07	1.05E-05
SOBP	552.80	1280.44	1.21	1.08E-09	1.51E-07
NR2E1	27.24	7.18	-1.92	1.30E-02	3.40E-02
SMOC2	3150.82	7740.84	1.30	2.83E-07	7.89E-06
C7	1897.44	6534.17	1.78	3.25E-06	5.26E-05
HAVCR1	246.13	112.39	-1.13	1.78E-02	4.30E-02
THBS4	2298.51	6144.92	1.42	3.17E-06	5.16E-05
DPYSL3	7748.29	18231.20	1.23	9.46E-07	1.99E-05
BCHE	107.05	345.15	1.69	4.08E-04	2.18E-03
ARHGEF26	393.84	1225.68	1.64	6.94E-11	2.10E-08
TACR1	47.59	195.24	2.04	2.70E-08	1.45E-06
SMYD1	65.07	931.53	3.84	3.73E-04	2.02E-03

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SLC5A7	8.86	52.36	2.56	1.06E-05	1.28E-04
TPO	36.69	148.45	2.02	3.43E-13	5.83E-10
TNR	40.08	95.83	1.26	3.22E-06	5.22E-05
ANGPTL1	220.50	998.78	2.18	1.01E-07	3.75E-06
OPRD1	67.16	168.59	1.33	3.00E-03	1.05E-02
PRG4	124.73	262.33	1.07	1.14E-05	1.35E-04
RIMS3	208.07	523.75	1.33	1.63E-18	2.22E-14
CR2	1015.86	2675.49	1.40	7.50E-05	5.85E-04
PTCH2	234.38	662.46	1.50	4.67E-10	8.14E-08
MMP8	84.76	30.45	-1.48	4.36E-03	1.42E-02
SLC8A2	115.79	285.26	1.30	7.05E-05	5.57E-04
FILIP1	480.51	1743.36	1.86	2.60E-09	2.79E-07
CNR1	204.36	471.34	1.21	2.18E-06	3.86E-05
CASQ2	140.66	759.13	2.43	1.25E-07	4.31E-06
OLFM3	2.70	7.60	1.49	8.12E-04	3.77E-03
SPP1	18310.37	8695.43	-1.07	3.29E-03	1.13E-02
TNN	120.49	326.50	1.44	8.66E-07	1.86E-05
SMAD9	646.80	1504.14	1.22	3.51E-10	6.46E-08
ADRA1A	15.74	32.47	1.04	5.27E-05	4.48E-04
PDZRN3	1159.67	2897.16	1.32	1.28E-11	7.57E-09
POPDC2	163.81	709.94	2.12	3.34E-09	3.36E-07
SLITRK3	15.55	53.01	1.77	8.11E-05	6.21E-04
CPXM2	1039.24	3381.34	1.70	5.37E-07	1.28E-05
XPNPEP2	528.25	1259.90	1.25	7.51E-08	3.02E-06
LDB3	156.50	1221.93	2.96	7.87E-10	1.19E-07
NPY	25.10	69.41	1.47	1.37E-04	9.36E-04
CALD1	23121.88	65543.52	1.50	3.22E-07	8.65E-06
NEUROG3	71.87	197.79	1.46	1.21E-06	2.44E-05
NECAB1	97.39	323.92	1.73	2.46E-06	4.24E-05

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ITIH5	1314.71	2931.07	1.16	1.80E-07	5.58E-06
PLP1	73.23	260.55	1.83	7.60E-07	1.68E-05
RAB9B	101.44	255.76	1.33	4.58E-07	1.13E-05
NRK	160.97	346.28	1.11	3.66E-05	3.34E-04
ZNF831	164.12	346.89	1.08	6.74E-03	2.01E-02
PTGIS	1977.57	4389.36	1.15	9.59E-06	1.19E-04
PCSK2	46.03	228.62	2.31	2.80E-05	2.71E-04
CITED1	55.06	122.59	1.15	6.67E-05	5.35E-04
GRPR	20.65	95.91	2.22	3.07E-06	5.04E-05
CCR7	375.69	778.62	1.05	2.46E-03	8.98E-03
DACH2	14.09	35.74	1.34	9.98E-03	2.75E-02
OMD	297.45	620.02	1.06	3.65E-05	3.33E-04
C22orf23	36.53	81.33	1.15	5.48E-11	1.77E-08
FOXP2	344.39	1138.22	1.72	1.16E-08	7.52E-07
FLNC	4000.84	32735.21	3.03	7.49E-09	5.93E-07
CCDC136	221.67	752.49	1.76	2.75E-10	5.50E-08
PALLD	11612.84	23745.87	1.03	1.44E-05	1.62E-04
KCNC1	19.29	45.48	1.24	1.69E-03	6.64E-03
ATP1B2	181.82	377.96	1.06	3.10E-07	8.42E-06
CBFA2T3	331.19	736.43	1.15	5.08E-08	2.25E-06
PRRG3	227.92	821.80	1.85	1.92E-03	7.35E-03
GALNT8	115.29	346.45	1.59	1.23E-06	2.48E-05
KCNA5	50.41	142.06	1.49	7.00E-04	3.34E-03
CNN1	4085.40	34912.18	3.10	3.17E-06	5.16E-05
DPP6	52.80	259.14	2.30	9.48E-06	1.18E-04
TNNT3	12.35	68.11	2.46	6.70E-06	8.96E-05
CALY	19.35	71.49	1.89	2.93E-08	1.54E-06
PNCK	141.59	528.36	1.90	1.89E-07	5.73E-06
SYNE1	2513.47	5203.18	1.05	1.27E-07	4.33E-06

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C1QL1	111.37	241.25	1.12	2.46E-03	8.98E-03
AOC3	1989.09	5741.11	1.53	1.62E-07	5.17E-06
BARX1	1085.71	3312.16	1.61	2.77E-03	9.85E-03
MAP1B	3054.83	8320.18	1.45	1.72E-08	1.01E-06
CKMT2	64.88	176.90	1.45	4.52E-09	4.13E-07
RAI2	853.34	1734.81	1.02	1.03E-09	1.47E-07
REEP2	150.57	453.13	1.59	3.12E-06	5.11E-05
FCRL2	93.99	236.13	1.33	1.67E-02	4.10E-02
BHMT2	98.52	247.02	1.33	7.06E-08	2.92E-06
SLC14A2	46.04	112.79	1.29	3.12E-03	1.09E-02
ATP8A2	71.38	143.69	1.01	1.01E-04	7.41E-04
MTUS2	39.53	94.31	1.25	3.96E-06	6.12E-05
CHIT1	781.28	385.53	-1.02	7.21E-03	2.12E-02
DCLK1	292.62	993.96	1.76	1.16E-08	7.52E-07
TRPC4	77.04	203.46	1.40	4.62E-06	6.87E-05
MYH11	24946.80	245341.78	3.30	3.97E-08	1.86E-06
DUSP26	37.38	82.43	1.14	1.32E-06	2.63E-05
GSTM5	140.79	282.51	1.00	2.95E-05	2.81E-04
WNT2B	585.73	1260.82	1.11	6.46E-10	1.04E-07
RERG	442.84	976.61	1.14	6.07E-06	8.37E-05
PRH2	5.54	20.80	1.91	5.73E-04	2.86E-03
DTNA	377.82	916.10	1.28	3.84E-06	5.98E-05
ADAMTS8	230.14	749.29	1.70	6.61E-06	8.88E-05
EPHA7	168.38	1101.31	2.71	1.72E-07	5.40E-06
ITGA7	1149.20	3392.11	1.56	3.00E-11	1.36E-08
PPP1R1A	124.12	365.37	1.56	3.13E-06	5.12E-05
SLC26A10	10.81	26.34	1.29	1.28E-07	4.33E-06
NACAD	167.83	367.17	1.13	6.00E-06	8.32E-05
SCN7A	100.51	483.37	2.27	1.54E-07	4.97E-06

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BLK	160.63	462.27	1.53	3.51E-04	1.93E-03
TMOD1	243.33	737.60	1.60	6.49E-08	2.74E-06
DNAJB5	618.44	1911.70	1.63	2.50E-05	2.49E-04
SLC22A7	7.60	15.39	1.02	1.75E-04	1.12E-03
FXYD6	817.37	1684.42	1.04	4.77E-05	4.13E-04
TTL7	439.34	1208.50	1.46	9.05E-09	6.62E-07
LHCGR	3.88	11.58	1.58	2.60E-05	2.57E-04
PLA2G12B	61.65	141.84	1.20	2.50E-03	9.08E-03
PCDH10	59.39	233.95	1.98	4.22E-04	2.24E-03
NDST4	10.45	28.88	1.47	6.22E-03	1.88E-02
FGF2	369.72	778.44	1.07	3.69E-07	9.61E-06
KERA	20.40	43.74	1.10	2.58E-03	9.31E-03
NOVA1	176.81	418.16	1.24	4.97E-09	4.39E-07
TPM1	13696.69	29774.43	1.12	1.71E-05	1.86E-04
NTRK3	69.81	152.24	1.12	9.76E-08	3.65E-06
TGFB1I1	2837.20	5790.91	1.03	4.85E-05	4.17E-04
MYOCD	448.97	2287.29	2.35	1.61E-08	9.60E-07
RHBDL3	33.68	75.29	1.16	1.92E-04	1.21E-03
ABCA8	443.24	1083.92	1.29	6.92E-07	1.56E-05
ASXL3	52.29	126.70	1.28	1.55E-07	5.00E-06
RNF165	46.62	95.89	1.04	5.37E-08	2.35E-06
MAPK4	145.41	373.11	1.36	2.06E-07	6.13E-06
CACNA1A	278.01	844.59	1.60	1.79E-03	6.95E-03
SLC6A3	41.63	111.61	1.42	1.91E-03	7.32E-03
RXRG	11.57	34.75	1.59	2.01E-07	6.04E-06
DPT	362.95	830.36	1.19	1.93E-04	1.22E-03
CASQ1	14.68	69.53	2.24	2.18E-09	2.48E-07
LHX9	30.43	12.67	-1.26	2.87E-04	1.65E-03
FLG2	3.22	12.38	1.94	1.03E-04	7.52E-04

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FLG	41.65	118.46	1.51	3.47E-05	3.19E-04
WNT9A	233.97	532.40	1.19	1.98E-05	2.08E-04
CNGA3	22.19	48.63	1.13	1.67E-02	4.11E-02
AFF3	213.54	647.73	1.60	1.41E-07	4.67E-06
GPR17	28.86	91.34	1.66	3.33E-11	1.38E-08
ITGA9	1256.85	2798.58	1.15	4.51E-08	2.09E-06
CAND2	233.71	471.72	1.01	1.91E-06	3.46E-05
TAGLN3	11.62	34.18	1.56	2.88E-05	2.76E-04
BOC	880.84	2381.68	1.44	7.61E-07	1.68E-05
AGTR1	85.98	250.20	1.54	3.01E-04	1.71E-03
SPATA16	5.83	2.51	-1.22	4.82E-03	1.53E-02
LPP	22291.26	47122.94	1.08	9.47E-06	1.18E-04
SLIT2	631.04	1351.73	1.10	1.10E-05	1.31E-04
ANK2	611.73	1838.99	1.59	3.84E-09	3.65E-07
LIX1	17.18	47.74	1.47	7.39E-06	9.69E-05
TENM2	162.84	337.70	1.05	1.67E-08	9.90E-07
KCNMB1	686.47	2699.41	1.98	5.07E-06	7.30E-05
DAAM2	1020.39	2324.89	1.19	7.60E-07	1.68E-05
FAXC	166.26	430.59	1.37	4.38E-05	3.84E-04
CLVS2	20.44	45.65	1.16	1.34E-02	3.47E-02
RSPO3	650.68	1307.15	1.01	2.01E-05	2.10E-04
SLC2A12	351.75	753.57	1.10	3.17E-03	1.10E-02
VIP	71.81	465.67	2.70	6.44E-08	2.73E-06
ITGB1BP2	48.24	110.32	1.19	6.90E-11	2.10E-08
FRMPD3	94.61	215.18	1.19	1.35E-07	4.53E-06
ST18	69.78	225.98	1.70	6.75E-05	5.39E-04
TRIM55	7.18	21.90	1.61	8.64E-04	3.95E-03
ADHFE1	72.30	162.41	1.17	7.35E-09	5.92E-07
PMP2	11.22	27.80	1.31	9.26E-05	6.90E-04

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RSPO2	74.10	177.78	1.26	9.67E-03	2.68E-02
HMCN2	552.29	1810.20	1.71	4.02E-14	9.11E-11
TMEM236	85.90	279.41	1.70	7.61E-05	5.90E-04
ZEB1	2446.73	5134.02	1.07	8.37E-08	3.30E-06
NCAM1	252.37	1316.39	2.38	1.10E-10	2.83E-08
ADAM33	284.97	1016.02	1.83	6.51E-10	1.04E-07
SCN2B	23.51	79.66	1.76	1.16E-08	7.52E-07
TAGLN	14503.24	45877.49	1.66	4.76E-05	4.12E-04
JPH2	495.44	2565.12	2.37	4.60E-07	1.13E-05
CDH22	56.21	152.02	1.44	1.32E-02	3.42E-02
CNKS2	45.39	228.34	2.33	1.91E-07	5.79E-06
FAM124A	353.07	759.21	1.10	4.35E-07	1.09E-05
GPM6A	46.57	125.19	1.43	1.17E-04	8.27E-04
DLG2	114.60	265.74	1.21	2.87E-08	1.52E-06
DIXDC1	1126.32	2979.64	1.40	2.60E-10	5.28E-08
CACNA1C	985.06	3239.45	1.72	2.86E-09	3.00E-07
MAT1A	274.46	71.94	-1.93	1.39E-04	9.45E-04
AKAP6	273.11	1101.12	2.01	8.87E-09	6.59E-07
NPAS3	65.16	150.65	1.21	8.39E-06	1.07E-04
ZNF385D	121.01	270.43	1.16	3.44E-09	3.39E-07
GFRA1	669.40	1535.26	1.20	6.23E-07	1.44E-05
HSPB8	979.27	3773.76	1.95	4.39E-07	1.10E-05
SETBP1	803.28	1872.90	1.22	5.88E-10	9.88E-08
SPARCL1	10138.39	28564.12	1.49	3.47E-08	1.68E-06
CLEC4F	11.04	25.83	1.23	3.09E-07	8.42E-06
BMP3	136.02	633.87	2.22	4.78E-07	1.16E-05
LGI2	532.61	1176.52	1.14	1.18E-07	4.14E-06
SCN3A	80.39	266.50	1.73	8.96E-07	1.90E-05
C16orf89	169.15	409.52	1.28	2.24E-04	1.36E-03

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ABI3BP	1592.79	4399.16	1.47	9.77E-08	3.65E-06
GAL3ST2	138.53	295.82	1.09	7.88E-06	1.02E-04
ABCA9	169.02	366.57	1.12	2.57E-06	4.38E-05
PGM5	754.21	4462.67	2.56	1.69E-10	3.84E-08
GPR26	4.79	10.93	1.19	7.98E-08	3.19E-06
PDLIM3	3471.95	8763.97	1.34	1.48E-05	1.65E-04
CHODL	23.22	80.55	1.79	1.08E-04	7.80E-04
PDE1C	205.36	507.95	1.31	1.45E-08	8.93E-07
JAM2	632.39	1496.40	1.24	1.74E-08	1.01E-06
EPHB1	304.05	633.69	1.06	6.63E-08	2.79E-06
GRIA1	18.34	42.39	1.21	8.77E-04	3.99E-03
FMN2	59.39	133.75	1.17	2.54E-04	1.50E-03
KCNMA1	1444.48	6456.21	2.16	2.61E-06	4.42E-05
ADAMTSL3	326.81	761.81	1.22	2.54E-06	4.34E-05
SORCS3	7.57	24.57	1.70	1.39E-05	1.57E-04
MS4A1	871.31	2141.70	1.30	1.05E-04	7.65E-04
FBXO32	3630.09	7966.33	1.13	1.81E-05	1.95E-04
SST	280.76	2186.36	2.96	3.45E-04	1.90E-03
DPYSL5	64.63	137.91	1.09	9.63E-04	4.28E-03
KCNB1	85.52	420.07	2.30	1.20E-09	1.64E-07
CD1C	105.79	212.95	1.01	5.54E-04	2.78E-03
CSRP1	14998.82	38741.61	1.37	7.49E-05	5.85E-04
ACTC1	278.52	629.78	1.18	3.48E-04	1.92E-03
SCUBE1	356.81	727.99	1.03	8.77E-04	3.99E-03
CELF3	116.97	364.51	1.64	6.98E-10	1.08E-07
STARD9	503.85	1277.26	1.34	8.33E-17	5.67E-13
FNDC5	88.36	178.62	1.02	6.00E-06	8.32E-05
AIRE	24.75	61.99	1.32	7.11E-06	9.40E-05
CHRNA2	116.66	245.99	1.08	2.07E-05	2.16E-04

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FCRL3	212.31	528.25	1.32	8.12E-03	2.33E-02
KLHL10	5.97	12.78	1.10	3.39E-06	5.42E-05
CD300LG	12.21	29.57	1.28	6.10E-04	3.01E-03
SHANK1	44.73	95.70	1.10	2.45E-04	1.46E-03
BEND5	64.14	138.54	1.11	4.58E-06	6.85E-05
ELAVL4	38.31	110.83	1.53	3.05E-04	1.73E-03
PRKAA2	405.90	842.61	1.05	1.93E-04	1.22E-03
SYNC	190.12	597.58	1.65	6.19E-07	1.43E-05
NEXN	1278.38	4456.45	1.80	8.24E-09	6.35E-07
CADM3	105.64	323.80	1.62	1.80E-07	5.58E-06
DDR2	2802.23	5841.12	1.06	4.05E-06	6.23E-05
LRRTM1	18.08	53.51	1.57	1.48E-04	9.95E-04
ACTG2	11534.18	107489.96	3.22	3.74E-07	9.68E-06
C1QTNF7	158.93	456.60	1.52	8.84E-06	1.11E-04
NPPC	14.03	39.12	1.48	2.61E-07	7.40E-06
GPR155	963.25	2123.23	1.14	9.62E-09	6.79E-07
CCKAR	29.10	100.94	1.79	4.87E-03	1.55E-02
IGFN1	38.14	156.60	2.04	5.39E-09	4.62E-07
LMOD1	2021.05	11262.48	2.48	8.85E-08	3.43E-06
DPPA2	21.16	5.74	-1.88	1.61E-02	4.00E-02
NFASC	1074.95	3265.79	1.60	3.04E-10	6.00E-08
FCRL1	94.13	395.89	2.07	2.47E-05	2.47E-04
CADPS	334.84	897.98	1.42	2.80E-07	7.84E-06
PRICKLE2	668.45	1781.64	1.41	1.02E-07	3.78E-06
TCF23	34.09	68.30	1.00	2.87E-05	2.76E-04
CLEC3B	167.43	358.66	1.10	1.54E-06	2.95E-05
SCRG1	177.15	834.78	2.24	2.44E-07	7.02E-06
HAND2	314.07	1855.10	2.56	2.65E-06	4.48E-05
ASB5	60.23	294.08	2.29	2.75E-04	1.59E-03

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PRDM9	8.17	3.97	-1.04	9.75E-03	2.70E-02
CARTPT	29.15	238.93	3.04	5.87E-03	1.79E-02
CSF2	76.29	36.52	-1.06	6.94E-04	3.32E-03
TXLNB	62.94	144.77	1.20	3.07E-08	1.59E-06
PI16	180.25	666.14	1.89	6.22E-06	8.54E-05
BMPER	73.28	166.09	1.18	6.47E-07	1.49E-05
SBSPON	404.45	939.45	1.22	4.86E-07	1.18E-05
DEFB1	968.17	268.14	-1.85	3.05E-03	1.07E-02
BAALC	72.68	162.01	1.16	8.78E-05	6.63E-04
FREM1	202.50	672.14	1.73	1.53E-11	8.65E-09
MAMDC2	200.10	630.87	1.66	3.43E-08	1.68E-06
PTCHD1	102.08	401.49	1.98	3.56E-05	3.26E-04
SLITRK5	92.94	212.97	1.20	2.22E-04	1.35E-03
FAT3	85.99	352.14	2.03	3.77E-06	5.90E-05
LRRC18	5.76	13.12	1.19	8.15E-10	1.20E-07
CFL2	1512.99	3895.44	1.36	1.71E-05	1.86E-04
ZCCHC24	1766.97	3962.48	1.17	3.71E-08	1.77E-06
PKNOX2	88.76	204.31	1.20	6.93E-07	1.56E-05
NGB	2.48	22.96	3.21	7.78E-05	6.02E-04
RET	231.85	890.72	1.94	5.13E-08	2.27E-06
C10orf82	30.24	63.41	1.07	4.81E-03	1.53E-02
PDZRN4	76.91	408.16	2.41	4.77E-06	7.01E-05
CACNB2	206.05	546.39	1.41	4.36E-12	3.49E-09
CMTM5	4.80	12.53	1.38	3.26E-05	3.03E-04
CLMP	1104.57	2472.91	1.16	1.16E-05	1.38E-04
TMEM100	109.78	326.95	1.57	7.76E-07	1.70E-05
MOGAT2	662.64	1341.15	1.02	1.54E-04	1.02E-03
RIC3	91.46	221.61	1.28	8.31E-08	3.30E-06
LMO1	12.28	82.69	2.75	9.16E-05	6.84E-04

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MFAP4	5657.88	13395.11	1.24	1.83E-06	3.36E-05
PRKCB	1037.05	2505.34	1.27	6.57E-06	8.84E-05
GALR1	5.59	14.31	1.36	5.85E-05	4.85E-04
PLIN1	89.06	269.97	1.60	9.44E-03	2.63E-02
RBPMS2	506.64	1943.41	1.94	5.12E-05	4.38E-04
MAP1A	1515.32	3334.75	1.14	4.87E-07	1.18E-05
TCP10L2	12.80	30.25	1.24	6.71E-05	5.37E-04
IGF2	16610.75	69753.11	2.07	2.13E-04	1.31E-03
RBFOX3	48.78	291.10	2.58	3.23E-08	1.62E-06
CORO6	61.15	145.89	1.25	7.50E-09	5.93E-07
PPP1R14A	571.41	1425.73	1.32	9.72E-06	1.20E-04
PLIN4	463.23	2939.63	2.67	8.07E-06	1.04E-04
SCARA5	254.62	562.28	1.14	2.97E-07	8.19E-06
GNG4	656.50	1417.80	1.11	1.98E-05	2.08E-04
KIF5C	149.86	307.22	1.04	7.81E-04	3.65E-03
FAM107A	343.57	725.59	1.08	3.27E-08	1.63E-06
XIRP1	145.61	58.45	-1.32	3.44E-06	5.51E-05
TNXB	1850.61	5396.83	1.54	6.01E-08	2.59E-06
GDNF	85.71	237.03	1.47	4.85E-04	2.50E-03
ATOH8	194.98	392.51	1.01	1.33E-09	1.77E-07
COL4A3	161.16	330.68	1.04	2.59E-05	2.56E-04
ZBBX	11.30	4.24	-1.42	5.12E-03	1.61E-02
AR	199.47	408.80	1.04	7.26E-06	9.54E-05
RSPO1	39.84	118.00	1.57	3.27E-06	5.27E-05
HSPB3	6.81	14.12	1.05	4.70E-06	6.92E-05
GPR37L1	109.90	226.18	1.04	5.94E-04	2.94E-03
RNF150	576.69	1925.99	1.74	1.16E-06	2.36E-05
FAXDC2	706.54	1669.48	1.24	2.09E-09	2.46E-07
CST5	6.93	20.45	1.56	4.46E-04	2.33E-03

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DCLK2	201.70	494.75	1.29	2.65E-07	7.47E-06
VSTM2A	12.68	34.01	1.42	9.34E-03	2.61E-02
LONRF2	303.03	713.88	1.24	6.57E-06	8.84E-05
SIX2	435.85	1087.88	1.32	1.05E-04	7.66E-04
SGCD	981.25	2230.13	1.18	1.14E-05	1.35E-04
RASA4B	5.91	12.35	1.06	4.29E-06	6.53E-05
PLAC1	55.85	22.61	-1.30	9.42E-04	4.21E-03
NPTX1	304.31	683.15	1.17	1.13E-05	1.34E-04
PDE7B	269.45	574.24	1.09	1.65E-06	3.11E-05
MAP6	220.23	496.27	1.17	1.22E-06	2.47E-05
ANGPTL7	29.28	83.01	1.50	1.56E-08	9.37E-07
KLF17	12.67	31.37	1.31	9.29E-05	6.92E-04
SCG2	271.12	568.28	1.07	4.09E-04	2.18E-03
MAL	746.98	1520.48	1.03	2.73E-05	2.66E-04
C1QTNF4	23.86	59.50	1.32	4.44E-09	4.09E-07
NEGR1	479.87	1498.87	1.64	2.07E-09	2.46E-07
RCAN2	1076.68	2421.80	1.17	8.56E-07	1.84E-05
MYOZ2	5.38	16.12	1.58	4.88E-08	2.20E-06
SYNPO2	5618.43	45345.91	3.01	5.03E-09	4.41E-07
NIPAL4	90.35	189.07	1.07	1.30E-05	1.49E-04
SNTG2	11.37	26.73	1.23	1.34E-09	1.77E-07
CCL19	451.80	1284.47	1.51	1.00E-05	1.23E-04
KRT2	7.91	18.48	1.22	1.18E-03	5.01E-03
NBEA	494.00	1114.63	1.17	4.29E-05	3.78E-04
MRGPRF	800.15	2755.29	1.78	5.90E-06	8.22E-05
MRGPRD	1.86	4.96	1.42	1.51E-07	4.90E-06
HPSE2	42.51	135.09	1.67	1.58E-02	3.95E-02
BNC2	649.63	1502.09	1.21	3.32E-07	8.80E-06
HSPA6	700.99	334.39	-1.07	1.64E-03	6.49E-03

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LRRN3	43.55	97.06	1.16	1.89E-05	2.01E-04
ADCY5	901.57	2626.29	1.54	6.12E-08	2.63E-06
PARP15	306.30	619.97	1.02	1.60E-03	6.37E-03
CSPG4	2663.95	5993.87	1.17	2.19E-05	2.25E-04
HSPB7	806.32	4126.44	2.36	2.68E-05	2.62E-04
SUSD5	105.74	228.75	1.11	1.38E-04	9.42E-04
KCNH6	74.21	191.28	1.37	1.33E-04	9.12E-04
C9orf131	9.19	20.62	1.17	6.13E-11	1.94E-08
MSRB3	1656.21	4547.67	1.46	1.45E-06	2.83E-05
TLR10	191.10	399.47	1.06	9.71E-06	1.20E-04
ABRA	9.24	24.26	1.39	1.31E-02	3.41E-02
IGDCC3	45.88	168.45	1.88	1.42E-02	3.63E-02
SLC26A9	1996.59	980.37	-1.03	1.33E-02	3.46E-02
KLK15	16.98	35.53	1.07	8.95E-04	4.05E-03
NPAS4	8.62	30.48	1.82	7.00E-09	5.70E-07
KY	37.18	82.57	1.15	6.70E-06	8.96E-05
CNIH2	91.37	194.03	1.09	2.03E-02	4.78E-02
NLRP6	205.41	574.51	1.48	7.20E-06	9.46E-05
DES	12768.07	116528.68	3.19	1.26E-06	2.53E-05
CADM2	48.52	107.40	1.15	4.91E-04	2.52E-03
C1orf127	24.46	61.98	1.34	8.16E-06	1.04E-04
SCUBE2	240.10	527.64	1.14	1.10E-07	3.94E-06
PRIMA1	225.57	946.19	2.07	5.01E-06	7.25E-05
ZNF135	89.23	185.48	1.06	2.12E-09	2.47E-07
PRR18	24.90	50.49	1.02	1.94E-03	7.41E-03
SCN4B	169.53	397.09	1.23	6.81E-08	2.84E-06
KCNA2	19.45	75.06	1.95	3.66E-10	6.56E-08
RPRM	24.35	67.82	1.48	1.13E-04	8.06E-04
AMER3	53.06	113.53	1.10	5.96E-03	1.81E-02

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SHISA3	138.31	616.73	2.16	3.19E-08	1.61E-06
UCN3	28.93	487.34	4.07	1.35E-03	5.57E-03
ZFP42	65.21	22.55	-1.53	1.85E-02	4.44E-02
DAND5	14.10	47.01	1.74	4.79E-06	7.04E-05
FCER1A	63.48	152.81	1.27	1.22E-05	1.43E-04
NRXN1	65.90	192.62	1.55	9.81E-08	3.66E-06
SSC5D	1253.93	3158.45	1.33	1.56E-06	2.98E-05
CYP8B1	10.56	22.13	1.07	7.27E-04	3.44E-03
SERTM1	3.84	12.94	1.75	5.71E-05	4.77E-04
ANKRD30B	6.30	13.30	1.08	5.72E-03	1.76E-02
GREM2	279.12	1023.02	1.87	2.60E-08	1.40E-06
CHRM2	145.65	832.40	2.51	1.30E-04	8.99E-04
PENK	69.07	185.07	1.42	2.15E-04	1.32E-03
MAB21L2	31.33	127.31	2.02	1.83E-07	5.64E-06
FDCSP	578.94	1263.03	1.13	6.48E-05	5.26E-04
TMEM252	20.07	124.53	2.63	8.27E-11	2.34E-08
SLC2A4	182.18	886.38	2.28	4.98E-11	1.73E-08
RGMA	1281.10	5798.89	2.18	7.97E-10	1.19E-07
SYNM	2763.66	23577.87	3.09	1.42E-08	8.76E-07
KCNA4	4.15	9.29	1.16	1.58E-02	3.94E-02
NXPH3	136.59	464.50	1.77	1.24E-07	4.27E-06
SLC35D3	90.59	222.25	1.29	3.94E-03	1.30E-02
GALNT9	38.88	129.55	1.74	1.14E-05	1.35E-04
GJC1	716.32	1461.10	1.03	1.59E-06	3.03E-05
PCP4	102.36	222.75	1.12	1.73E-04	1.12E-03
CTNNA3	85.72	386.99	2.17	1.80E-08	1.04E-06
GRIN2A	219.36	441.90	1.01	1.02E-03	4.49E-03
SH2D7	29.08	63.11	1.12	1.03E-03	4.52E-03
OPCML	20.84	57.94	1.48	1.29E-06	2.58E-05

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KCTD8	11.00	35.35	1.68	3.60E-03	1.21E-02
EMILIN3	41.76	105.26	1.33	1.44E-10	3.32E-08
SMTN	6026.50	17760.96	1.56	4.43E-11	1.71E-08
CNTN2	27.31	84.09	1.62	1.79E-06	3.31E-05
PCDH9	148.85	509.65	1.78	8.35E-07	1.82E-05
SLIT3	1910.35	4190.59	1.13	2.83E-07	7.88E-06
MRGPRE	6.76	19.52	1.53	1.00E-02	2.76E-02
PRR33	26.32	53.33	1.02	4.68E-06	6.92E-05
TCEAL2	95.59	419.27	2.13	3.04E-05	2.88E-04
LRRC14B	4.95	11.46	1.21	1.74E-02	4.23E-02
ANKS1B	52.47	129.39	1.30	9.70E-06	1.20E-04
KLHL33	7.34	15.27	1.06	3.86E-06	6.00E-05
HS6ST3	64.64	153.59	1.25	1.66E-05	1.81E-04
NTF3	56.87	117.63	1.05	3.87E-08	1.83E-06
POU3F1	39.20	78.70	1.01	1.12E-03	4.80E-03
MORN5	13.58	94.33	2.80	3.14E-03	1.09E-02
KRTAP5-5	9.82	26.84	1.45	1.42E-02	3.62E-02
GRK1	6.49	16.23	1.32	1.57E-05	1.73E-04
PLK5	12.93	27.53	1.09	1.28E-02	3.36E-02
BTLA	70.60	151.09	1.10	8.82E-03	2.49E-02
NAP1L3	79.09	158.34	1.00	4.77E-06	7.01E-05
GOLGA8R	10.03	21.18	1.08	6.54E-12	4.95E-09
NAP1L2	53.09	109.79	1.05	4.68E-06	6.92E-05
KLK12	112.13	234.11	1.06	3.07E-04	1.74E-03
PDE2A	409.40	829.54	1.02	1.83E-07	5.64E-06
MAGEE2	2.19	4.91	1.17	1.74E-04	1.12E-03
FOXI2	7.45	16.78	1.17	1.26E-08	7.93E-07
MAPT	177.07	487.64	1.46	1.85E-06	3.38E-05
TMPRSS6	51.03	112.02	1.13	8.41E-04	3.87E-03

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C3orf70	675.35	1514.30	1.16	9.36E-09	6.74E-07
SLIT1	86.80	282.04	1.70	2.53E-04	1.50E-03
VSTM2B	20.42	75.18	1.88	3.06E-04	1.73E-03
FNBP1	3059.99	6406.24	1.07	1.21E-07	4.21E-06
SLC18A3	9.05	39.55	2.13	1.29E-04	8.94E-04
P2RX2	9.84	53.60	2.45	2.07E-09	2.46E-07
LCN10	5.35	22.54	2.07	8.02E-13	9.92E-10
COL14A1	3660.04	8188.81	1.16	1.20E-07	4.20E-06
PLA2G2C	5.00	11.20	1.16	1.50E-05	1.67E-04
TMEM215	3.39	8.93	1.40	1.76E-02	4.28E-02
ZNF177	1.40	3.39	1.27	7.16E-08	2.93E-06
VWC2	13.82	59.57	2.11	7.91E-05	6.09E-04
ADRB3	13.57	50.46	1.89	1.76E-04	1.13E-03
PRELP	2520.63	6908.60	1.45	5.96E-06	8.28E-05
CNR2	66.82	203.22	1.60	3.33E-05	3.09E-04
LIPI	4.63	9.53	1.04	1.55E-05	1.71E-04
NKAPL	14.60	34.35	1.23	4.90E-08	2.20E-06
KIAA0408	4.93	22.87	2.22	1.17E-07	4.13E-06
PAX5	571.90	1609.43	1.49	3.61E-05	3.30E-04
MYT1	72.92	179.77	1.30	2.36E-06	4.11E-05
FAT4	1040.89	2097.58	1.01	6.05E-07	1.41E-05
SFTA2	1174.14	560.86	-1.07	2.79E-03	9.90E-03
CACNA1H	2036.53	6123.91	1.59	3.20E-08	1.61E-06
MMP1	14128.62	6782.80	-1.06	2.60E-05	2.57E-04
ADH1B	883.95	2326.66	1.40	8.57E-06	1.08E-04
FAM180B	3.56	12.74	1.84	2.50E-07	7.11E-06
FLNA	69208.25	218215.76	1.66	1.41E-05	1.59E-04
ZSCAN5B	12.46	4.35	-1.52	5.31E-03	1.66E-02
KANK2	4447.56	9523.11	1.10	5.90E-07	1.38E-05

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SVIL	5674.04	16418.03	1.53	7.33E-11	2.13E-08
FBXL22	148.59	549.06	1.89	9.39E-10	1.36E-07
DACT3	502.37	1606.79	1.68	4.62E-06	6.87E-05
COL4A6	316.44	716.89	1.18	6.65E-05	5.35E-04
CCDC154	27.11	107.66	1.99	2.41E-04	1.44E-03
SERPINB2	839.00	400.55	-1.07	2.38E-04	1.43E-03
KLHL14	37.45	160.99	2.10	1.36E-06	2.68E-05
DCAF12L2	7.02	15.25	1.12	2.67E-05	2.62E-04
TPM2	8747.56	28995.39	1.73	5.79E-05	4.82E-04
PLN	624.09	2595.10	2.06	1.36E-06	2.69E-05
CCDC69	1880.23	4216.27	1.17	1.70E-08	1.01E-06
MAGEA1	405.55	86.29	-2.23	1.94E-03	7.41E-03
RYR3	96.06	352.90	1.88	7.37E-11	2.13E-08
GPRASP1	255.22	719.69	1.50	2.19E-10	4.65E-08
DMD	971.47	3224.52	1.73	1.12E-10	2.83E-08
TCP10	13.00	31.97	1.30	2.25E-03	8.35E-03
RBM20	40.64	124.52	1.62	1.72E-06	3.22E-05
TCEAL5	7.22	18.39	1.35	1.69E-04	1.10E-03
TCEAL6	3.24	9.48	1.55	9.11E-04	4.10E-03
NHSL2	151.75	375.61	1.31	2.33E-07	6.75E-06
SYT15	22.96	54.03	1.23	2.66E-11	1.25E-08
BTBD17	7.89	19.10	1.27	1.81E-06	3.33E-05
NXPE2	30.21	64.09	1.09	3.20E-05	2.98E-04
MAS1L	1.95	4.02	1.04	3.17E-04	1.77E-03
MALRD1	369.08	830.63	1.17	1.25E-05	1.45E-04
GPR20	45.66	95.11	1.06	3.50E-07	9.17E-06
LRRC10B	70.25	188.89	1.43	1.85E-09	2.32E-07
FAM205A	2.63	7.07	1.43	2.67E-03	9.57E-03
VIT	44.07	92.39	1.07	2.37E-06	4.12E-05

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ARRDC5	34.34	74.45	1.12	2.69E-06	4.53E-05
C21orf62	14.76	38.21	1.37	3.88E-09	3.67E-07
GOLGA8O	2.75	6.58	1.26	5.29E-09	4.55E-07
XKR4	50.31	111.04	1.14	1.89E-05	2.01E-04
ACKR1	697.52	1818.30	1.38	1.21E-08	7.71E-07
KRT222	10.97	30.44	1.47	7.47E-08	3.02E-06
CPEB1	50.90	105.22	1.05	1.95E-05	2.06E-04
MS4A4E	15.53	32.79	1.08	4.12E-07	1.05E-05
DCDC2C	2.30	5.76	1.32	1.10E-05	1.31E-04
NPIPA7	0.77	1.73	1.16	1.50E-04	1.00E-03
GCGR	9.70	25.53	1.40	1.13E-02	3.02E-02
LINGO3	70.17	197.94	1.50	1.49E-08	9.07E-07
PLXNA4	365.78	1100.92	1.59	4.55E-08	2.10E-06
C14orf132	660.34	1890.59	1.52	1.37E-09	1.79E-07
ANKRD63	3.35	6.86	1.03	1.27E-02	3.34E-02
PIRT	10.84	50.87	2.23	2.94E-09	3.05E-07
AC053503.6	4.85	32.64	2.75	1.82E-09	2.32E-07
KLHL41	22.09	48.47	1.13	3.30E-06	5.31E-05
TNFRSF13B	60.23	154.38	1.36	1.41E-04	9.58E-04
ARHGEF25	433.15	1005.66	1.22	1.06E-05	1.28E-04
INMT	366.08	845.41	1.21	9.67E-08	3.64E-06
STON1	648.75	1620.22	1.32	1.33E-06	2.64E-05
VSIG8	24.14	54.73	1.18	8.27E-05	6.32E-04
CFHR1	5.53	18.93	1.77	1.24E-02	3.26E-02
ERVFRD-1	20.53	52.86	1.36	8.94E-04	4.04E-03
PCP4L1	53.28	224.09	2.07	5.71E-09	4.79E-07
C8orf88	42.47	175.98	2.05	1.63E-04	1.07E-03
NPIP8	2.93	5.90	1.01	9.27E-04	4.16E-03
FRRS1L	59.82	424.91	2.83	5.08E-08	2.25E-06

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GOLGA8T	0.76	1.57	1.06	5.20E-05	4.43E-04
GFY	53.95	18.70	-1.53	4.57E-03	1.47E-02
AC011499.1	4.72	10.53	1.16	1.02E-10	2.79E-08
FXYD1	31.85	81.58	1.36	3.10E-07	8.42E-06
LCN6	6.80	18.82	1.47	1.17E-08	7.52E-07
MROH7-TTC4	4.30	9.05	1.07	4.42E-09	4.09E-07
CCL23	30.73	87.21	1.50	5.68E-05	4.75E-04
CCL16	9.47	75.56	3.00	2.49E-08	1.35E-06
GRIFIN	3.52	8.33	1.24	5.58E-08	2.42E-06
CCL14	52.56	123.10	1.23	2.61E-14	8.86E-11
C17orf78	80.30	280.72	1.81	4.60E-06	6.87E-05

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