

Supplementary II: Assessment of differentially expressed genes in early and late passage normal human dermal fibroblast cells.

The identity of each genes and the fold change expression of each in early passage(PD = 38) and late passage cells (PD = 95) respectively are given (n = 3 biological replicates), along with the raw p value and the FDR adjusted p value.

Gene Symbol	Fold Change	FDR P-val	P-val
S100A4	-47861.88	2.58E-07	1.90E-12
GREM1	-1947.59	3.30E-07	1.23E-11
CDR1	-2323.12	3.30E-07	1.71E-11
COL6A2	-3780.53	3.30E-07	1.71E-11
AC002398.12	-4782.01	3.30E-07	1.60E-11
XG; XGY2	-7572.26	3.30E-07	2.02E-11
CLDN11	-36711.38	3.30E-07	2.19E-11
GPNMB	-46376.9	3.30E-07	5.20E-12
DCN	-67091.41	3.30E-07	1.43E-11
CD248	-32715.2	3.42E-07	2.52E-11
IGFBP2	-2367.37	3.63E-07	2.94E-11
COL6A1	-7798.44	3.85E-07	4.02E-11
ADH1B	-8908.34	3.85E-07	3.89E-11
CRYAB	-22025.44	3.85E-07	4.26E-11
GREM1	-3336.8	3.89E-07	4.61E-11
ACKR4	-21197.36	3.89E-07	4.87E-11
LINC01013	1592.99	4.34E-07	6.71E-11
SERPINI1	-468.77	4.34E-07	6.08E-11
FBLN5	-2654.51	4.34E-07	6.41E-11
CTSK	-6498.88	4.58E-07	7.75E-11
ADGRL4	522.29	4.61E-07	8.15E-11
PECAM1	11643.78	5.74E-07	1.06E-10
DPT	-518.59	7.39E-07	1.42E-10
PRRX1	-10487.47	7.43E-07	1.48E-10
TNFSF4	414.68	8.32E-07	1.78E-10
APOD	-4115.31	8.32E-07	1.74E-10
MOXD1	-1256.97	8.64E-07	1.91E-10
ENPP2	-17296.98	9.77E-07	2.23E-10
LOXL1	-6485.36	9.81E-07	2.31E-10
CDR1; CDR1-AS	-1174.7	1.27E-06	3.18E-10
MME	-6244.68	1.27E-06	3.26E-10
SH2D4A	-157.19	1.36E-06	3.76E-10
NEFM	-848.88	1.36E-06	3.69E-10
IL13RA2	-5172.74	1.36E-06	3.81E-10
LUM	-494.6	1.64E-06	4.72E-10
MFAP4	-889.06	1.65E-06	4.85E-10

RSPO3	-489.37	1.67E-06	5.03E-10
HHEX	244.84	1.93E-06	6.26E-10
AKR1C3	-2663.92	1.93E-06	6.27E-10
CXCL8	192.85	1.97E-06	6.52E-10
LAYN	-252.15	2.32E-06	8.21E-10
MTUS1	370.89	2.34E-06	8.61E-10
AKR1C2	-2102.43	2.34E-06	8.54E-10
SLIT3	-698.73	2.42E-06	9.39E-10
DPP4	-5990.12	2.42E-06	9.44E-10
PRELP	-1468.36	2.48E-06	9.87E-10
S1PR2	-573.97	2.68E-06	1.10E-09
GREM1	-1207.75	2.77E-06	1.16E-09
ANGPT2	196.85	2.78E-06	1.19E-09
STAT1	-291.31	2.78E-06	1.21E-09
RP11-664I21.5	715.7	2.80E-06	1.26E-09
TUSC3	-604.75	2.80E-06	1.24E-09
MMRN1	90.14	2.95E-06	1.45E-09
SLC7A8	-164.45	2.95E-06	1.45E-09
SDC2	-287.05	2.95E-06	1.42E-09
STC1	-4707.88	2.95E-06	1.39E-09
JAM2	-184.7	2.99E-06	1.50E-09
PCOLCE	-130.01	3.11E-06	1.60E-09
OSR2	-783.39	3.12E-06	1.63E-09
NRG1	218.97	3.16E-06	1.70E-09
TM4SF1	2193.91	3.23E-06	1.77E-09
uc_338	847.04	3.23E-06	1.79E-09
AC000032.2	-150.57	3.26E-06	1.82E-09
ESM1	1402.85	3.32E-06	1.88E-09
MMP3	-5874.92	3.46E-06	2.04E-09
PSG1	-1218.36	3.46E-06	2.07E-09
AKR1C1	-5735.24	3.60E-06	2.18E-09
FABP3	-18870.38	3.85E-06	2.39E-09
RP11-334E6.12	-1046.84	3.90E-06	2.47E-09
ECSCR	2079.29	3.90E-06	2.50E-09
DKFZp434P228	-471.7	3.92E-06	2.57E-09
AK5	-2672.88	3.92E-06	2.54E-09
XXYL1-AS2	53.94	3.93E-06	2.60E-09
MGST2	216.25	4.12E-06	2.79E-09
HSPB6	-162.06	4.22E-06	2.95E-09
TNFRSF11B	-622.05	4.36E-06	3.08E-09
CCL14; CCL15; CCL15-CCL14	306.48	4.59E-06	3.39E-09
TM4SF18	144.47	4.59E-06	3.31E-09

TIMP1	-88.81	4.59E-06	3.42E-09
PDGFRB	-922.17	4.60E-06	3.46E-09
KRT18	374.42	4.61E-06	3.60E-09
CTB-186H2.3	54.82	4.61E-06	3.57E-09
SNAI2	-2973.58	4.61E-06	3.58E-09
EIF1AY	8700.8	4.81E-06	3.79E-09
LINC00704	1207.72	5.16E-06	4.10E-09
BMP6	255.11	5.24E-06	4.21E-09
SRGN	3600.37	5.38E-06	4.36E-09
LPAR1	-134.63	5.51E-06	4.50E-09
PSG5	-872.43	5.72E-06	4.76E-09
COX7A1	-2669.64	5.72E-06	4.74E-09
PTGDS	-3646.26	5.72E-06	4.81E-09
TRBV25-1; TRBJ2-4; TRBV28; TRBC2; TRBJ2-6; TRBJ2-1; TRBV27;	172.46	5.96E-06	5.08E-09
C15orf54	151.91	5.96E-06	5.20E-09
SOD2	-299.17	5.96E-06	5.14E-09
GRIA3	-921.91	5.96E-06	5.23E-09
RCAN2	-35.46	6.13E-06	5.56E-09
RP11-334A14.5	-81.53	6.13E-06	5.60E-09
SERPINE2	-252.52	6.13E-06	5.57E-09
CYBRD1	-543.82	6.13E-06	5.53E-09
RP1-140K8.5	221.43	6.26E-06	5.80E-09
AOX1	-166.79	6.26E-06	5.81E-09
VIT	-42.54	6.32E-06	5.91E-09
NR5A2	75.3	6.73E-06	6.35E-09
ERG	2845.51	6.85E-06	6.71E-09
TGFBI	-173.41	6.85E-06	6.64E-09
PSG11	-561.2	6.85E-06	6.58E-09
CRABP2	-3655.5	6.85E-06	6.67E-09
CALCRL	83.98	6.90E-06	6.81E-09
SERPING1	-61.85	6.95E-06	7.06E-09
NUPR1	-2626.16	6.95E-06	7.06E-09
TMTC1	-655.88	7.13E-06	7.32E-09
KB-1107E3.1	-70.62	7.18E-06	7.51E-09
AQP7P1	56.1	7.59E-06	8.00E-09
VAMP8	107.68	7.65E-06	8.12E-09
NPTX1	-672.38	7.84E-06	8.43E-09
FBLN1	-65.32	7.90E-06	8.56E-09
PXK	-46.02	7.97E-06	8.68E-09
PSG4	-204.61	8.22E-06	9.02E-09
NOV	-301.18	8.37E-06	9.25E-09
CLIC2	-81.57	8.52E-06	9.48E-09

MYL9	-10291.12	8.65E-06	9.68E-09
IFIT2	-346.82	9.07E-06	1.02E-08
XGY2	-2852.68	9.84E-06	1.12E-08
RPS4Y1	17894.08	1.01E-05	1.16E-08
SLITRK4	252.1	1.01E-05	1.15E-08
PAM	-39.36	1.01E-05	1.17E-08
SERPINF1	-774.38	1.01E-05	1.18E-08
MSMO1	-67.67	1.02E-05	1.21E-08
AEBP1; MIR4649	-248.26	1.02E-05	1.19E-08
MERTK	63.13	1.07E-05	1.28E-08
THY1	-2101.01	1.07E-05	1.29E-08
PLA2G4C-AS1	24.77	1.10E-05	1.34E-08
MAB21L1	-73.28	1.11E-05	1.36E-08
LMO7-AS1	-525.57	1.12E-05	1.37E-08
EDN1	382.98	1.16E-05	1.44E-08
ANKRD1	1269.9	1.24E-05	1.55E-08
HOTAIRM1	415.33	1.26E-05	1.58E-08
ECM1	-54.52	1.27E-05	1.60E-08
TOB1	-59.38	1.28E-05	1.64E-08
DNMBP-AS1	43.94	1.32E-05	1.70E-08
EFEMP1	79.31	1.32E-05	1.72E-08
LOC286297	21.65	1.32E-05	1.72E-08
LYNX1	-1061.73	1.34E-05	1.76E-08
LOC653513	-361.23	1.40E-05	1.88E-08
PLXNA2	152.75	1.41E-05	1.94E-08
TTC39C	-22.31	1.45E-05	2.00E-08
APOBEC3C	-49.59	1.47E-05	2.06E-08
ADM	-465.91	1.47E-05	2.06E-08
SQSTM1	-26.67	1.49E-05	2.09E-08
GLCE	143.57	1.49E-05	2.11E-08
IGFBP6	-2491.52	1.49E-05	2.12E-08
LINC01158	-36.85	1.52E-05	2.19E-08
GPX3	-575.91	1.52E-05	2.20E-08
NETO2	70.86	1.54E-05	2.24E-08
ANGPTL2	-236.97	1.55E-05	2.26E-08
PHLDB2; PLCXD2	170.09	1.62E-05	2.38E-08
PLOD2	496.09	1.63E-05	2.42E-08
CYP51A1	-27.94	1.63E-05	2.42E-08
MIR4482	-31.72	1.63E-05	2.42E-08
TFEC	80.43	1.63E-05	2.44E-08
CXorf36	137.51	1.67E-05	2.51E-08
CFB	-75.57	1.74E-05	2.63E-08

SORBS2	121.1	1.78E-05	2.72E-08
CPED1	-157.66	1.79E-05	2.75E-08
C12orf75	-705.69	1.79E-05	2.76E-08
HHIP	40603.66	1.82E-05	2.83E-08
BGN	2135.89	1.83E-05	2.85E-08
OLFML3	-239.29	1.84E-05	2.89E-08
FOXD1-AS1; RP11-79P5.2	-31.83	1.87E-05	2.95E-08
LSS	-56.84	1.91E-05	3.05E-08
CTD-2562J17.7	34.21	1.99E-05	3.22E-08
Y_RNA	20.91	2.07E-05	3.36E-08
RDH5	-23.05	2.07E-05	3.42E-08
RP11-680F20.12	-620.88	2.07E-05	3.41E-08
RAPGEF5	70.55	2.07E-05	3.45E-08
H2AFY2	-18.58	2.07E-05	3.45E-08
SEL1L3	158.79	2.11E-05	3.60E-08
CFLAR	21.33	2.11E-05	3.58E-08
PPP1R3C	-23.61	2.11E-05	3.58E-08
EFEMP2	-216.28	2.11E-05	3.59E-08
MMP12	-285.03	2.11E-05	3.52E-08
PDGFRA	-2318.86	2.11E-05	3.58E-08
GALNT5	-208.97	2.12E-05	3.64E-08
TPBG	-30.86	2.15E-05	3.71E-08
MRAS	-22.77	2.23E-05	3.86E-08
STAMBPL1	-94.26	2.24E-05	3.90E-08
CITED2	-182.85	2.24E-05	3.91E-08
SLC7A14	-54.63	2.24E-05	3.94E-08
LMO7	-149.29	2.30E-05	4.04E-08
TEK	29.87	2.35E-05	4.18E-08
C4orf32	46.86	2.37E-05	4.23E-08
NRP2	29.78	2.38E-05	4.28E-08
IQCJ; SCHIP1; IQCJ-SCHIP1	33.7	2.49E-05	4.51E-08
IL1RL1	121.12	2.52E-05	4.59E-08
PROS1	-17.12	2.55E-05	4.66E-08
CXCL12	-188.8	2.60E-05	4.76E-08
BLID; MIR100HG	-319.4	2.61E-05	4.81E-08
RAB23	-24.91	2.62E-05	4.85E-08
MR1	-22.91	2.69E-05	4.99E-08
RGS4	69.46	2.69E-05	5.03E-08
WNT16	-40.39	2.69E-05	5.02E-08
PRKG2	-114.03	2.69E-05	5.05E-08
STC2	-160.14	2.75E-05	5.19E-08
F10	-43.83	2.76E-05	5.22E-08

PLPP3	-1440.56	2.80E-05	5.33E-08
GSTM2	-214.2	2.82E-05	5.40E-08
PAMR1	-352.34	2.82E-05	5.39E-08
EMX2	-58.99	2.84E-05	5.47E-08
COPZ2	-106.71	2.86E-05	5.52E-08
NT5E	-78.73	2.87E-05	5.55E-08
BMX	230.06	2.94E-05	5.74E-08
MEDAG	-53.37	2.94E-05	5.73E-08
RNU6-580P	45.2	3.00E-05	5.88E-08
SLC2A3	-21.58	3.00E-05	5.90E-08
GIPC2	59.58	3.02E-05	5.97E-08
CPE	-404.32	3.05E-05	6.09E-08
PRR11	86.49	3.08E-05	6.17E-08
LPAR3	-97.26	3.14E-05	6.31E-08
BHLHE41	-55.22	3.18E-05	6.41E-08
NOL4L	32.55	3.23E-05	6.57E-08
THBS2	-445.66	3.23E-05	6.59E-08
HABP4	-15.01	3.23E-05	6.62E-08
RP11-169K16.4	120.42	3.37E-05	6.93E-08
CD68	-972.53	3.38E-05	6.97E-08
RP11-3K16.2	20.47	3.40E-05	7.17E-08
TWIST1	-23.07	3.40E-05	7.08E-08
PDE4DIP	-132.94	3.40E-05	7.15E-08
PSG2	-287.77	3.40E-05	7.07E-08
SEC14L1; SCARNA16; SNHG20; MIR6516	249.02	3.50E-05	7.40E-08
GRAMD3	-34.58	3.50E-05	7.43E-08
TNFSF15	45.52	3.68E-05	7.89E-08
CNTNAP3P2; CNTNAP3	170.84	3.72E-05	8.07E-08
MFGE8	-89.39	3.72E-05	8.04E-08
GYPC	-576.65	3.72E-05	8.05E-08
MSI2	18.65	3.73E-05	8.10E-08
CNTN1	-137.97	3.80E-05	8.28E-08
C1orf21	-60.43	3.82E-05	8.35E-08
CDON	-55.26	3.91E-05	8.59E-08
EPHX1	-107.69	3.95E-05	8.77E-08
OSR1	-382.49	3.95E-05	8.74E-08
ASAH1	-203.37	3.95E-05	8.80E-08
RHOQ	-62.16	3.98E-05	8.91E-08
PRSS12	-81.39	4.00E-05	9.02E-08
PRKCH	110.36	4.01E-05	9.19E-08
PSG8	-30.2	4.01E-05	9.15E-08
COLEC12	-149.47	4.01E-05	9.17E-08

CD36	-33.69	4.10E-05	9.42E-08
MME-AS1; RP11-270G15.2	-160.3	4.16E-05	9.60E-08
PALMD	28.59	4.16E-05	9.66E-08
PLTP	-21.56	4.18E-05	9.74E-08
MCTP1	61.13	4.22E-05	9.89E-08
PQLC2L	-42.03	4.23E-05	9.93E-08
ARHGDIB	311.75	4.27E-05	1.01E-07
HIBADH	-24.05	4.33E-05	1.03E-07
RP11-554A11.5	-252.85	4.33E-05	1.03E-07
COL6A3	-6169.6	4.33E-05	1.04E-07
VEPH1	82.91	4.33E-05	1.04E-07
RP4-541C22.5	67.78	4.35E-05	1.05E-07
FGF5	-17.61	4.35E-05	1.05E-07
AC005339.2	360.72	4.54E-05	1.11E-07
MIR4256	31.12	4.54E-05	1.11E-07
FST	-74.77	4.54E-05	1.10E-07
UGP2	-46.66	4.56E-05	1.12E-07
PTPRB	58.28	4.57E-05	1.12E-07
MICAL2	27.23	4.57E-05	1.12E-07
VGLL3	-268.88	4.60E-05	1.13E-07
NFE2L3	64.4	4.77E-05	1.19E-07
CREB3L1	-27.33	4.77E-05	1.18E-07
INA	-76.57	4.77E-05	1.18E-07
LOX	-75.38	4.77E-05	1.19E-07
FGF7	-83.97	4.77E-05	1.19E-07
ID2	-476.82	4.85E-05	1.22E-07
ELL2	-28.76	4.87E-05	1.23E-07
MXRA8	-518.91	4.93E-05	1.25E-07
ANTXR1	-59.2	5.06E-05	1.29E-07
FADS2	-31.07	5.14E-05	1.32E-07
RARRES3	-175.02	5.17E-05	1.33E-07
DUSP10	-129.08	5.34E-05	1.39E-07
NEO1	-111.32	5.34E-05	1.40E-07
RND3	-10.88	5.39E-05	1.41E-07
MGAT4A	49.05	5.43E-05	1.43E-07
LHFP	-32	5.55E-05	1.46E-07
CDK17	19.63	5.56E-05	1.48E-07
PCNXL2	-34.14	5.56E-05	1.47E-07
HMGCS1	-62.49	5.56E-05	1.47E-07
FLT1	67.76	5.62E-05	1.50E-07
PBX3	-32.16	5.63E-05	1.51E-07
INSIG1	-15.19	5.66E-05	1.52E-07

HLA-DMA	-122.46	5.68E-05	1.53E-07
CHRNA5	77.85	5.75E-05	1.57E-07
EXOC6	63.92	5.75E-05	1.56E-07
ANPEP	-95.06	5.75E-05	1.57E-07
CCDC80; LINC01279	-926.97	5.79E-05	1.59E-07
PDGFA	42.6	5.82E-05	1.61E-07
MASP1	-22.89	5.82E-05	1.61E-07
ACTA2	-38.67	5.82E-05	1.62E-07
PDPN	-71.61	5.82E-05	1.62E-07
PGRMC1	-36.55	5.92E-05	1.66E-07
CDKN1A	-334.4	5.93E-05	1.66E-07
AGPS	12.62	6.15E-05	1.75E-07
MIR3975	139.81	6.28E-05	1.80E-07
CLGN	-65.78	6.28E-05	1.80E-07
C16orf45	-120	6.28E-05	1.81E-07
LRRC15	-632.81	6.28E-05	1.81E-07
PTGIS	-98.85	6.28E-05	1.82E-07
B3GNT5	24.16	6.29E-05	1.83E-07
DRAM1	-28.77	6.37E-05	1.87E-07
PLAC9	-29.25	6.40E-05	1.88E-07
MYCT1	450.07	6.59E-05	1.95E-07
C3	-572.02	6.59E-05	1.95E-07
CLIC6	-38.79	6.66E-05	1.98E-07
JMJD6	18.82	6.66E-05	2.00E-07
RGMB	-48.34	6.66E-05	2.00E-07
CCBE1	-131.5	6.68E-05	2.01E-07
SLC39A8	-21.79	6.70E-05	2.02E-07
SGCB	-9.87	6.71E-05	2.03E-07
SGIP1	-12.41	6.88E-05	2.09E-07
LITAF	-47.42	6.88E-05	2.10E-07
ITGA6	284.2	6.96E-05	2.14E-07
MGP	180.41	6.96E-05	2.14E-07
RHOJ	143.35	6.96E-05	2.14E-07
SPATA18	-18.49	6.97E-05	2.14E-07
Y_RNA	17.7	7.02E-05	2.17E-07
TXNIP	-89.4	7.02E-05	2.17E-07
KCNK2	-205.58	7.03E-05	2.18E-07
RRM2	25.57	7.08E-05	2.20E-07
RNU4-47P	78.9	7.16E-05	2.23E-07
SNX33	-15.8	7.17E-05	2.25E-07
MLLT11	22.62	7.19E-05	2.26E-07
NRCAM	39.5	7.24E-05	2.29E-07

FAP	-144.08	7.32E-05	2.32E-07
F10	-16.39	7.37E-05	2.35E-07
LY6E	-1004.84	7.45E-05	2.38E-07
B2M	-14.61	7.66E-05	2.47E-07
GSTM5	-182.73	7.77E-05	2.51E-07
KCNAB1	13.51	7.91E-05	2.57E-07
MBOAT2	-31.59	7.92E-05	2.58E-07
IFIT3	-1384.22	7.93E-05	2.60E-07
SGCE	-19.62	8.03E-05	2.65E-07
GFRA1	-45.62	8.03E-05	2.65E-07
SEMA5A	-61.8	8.03E-05	2.64E-07
PRNP	-67.41	8.03E-05	2.64E-07
RGS5	151.25	8.03E-05	2.66E-07
ATP1B1	59.28	8.11E-05	2.70E-07
MET	17.45	8.25E-05	2.76E-07
GLT8D2	-239.04	8.25E-05	2.77E-07
ZSWIM6	12.13	8.32E-05	2.79E-07
SEC22B	-19.12	8.42E-05	2.83E-07
ECM2	-16.07	8.48E-05	2.87E-07
ETV1	-37.15	8.55E-05	2.90E-07
THAP9-AS1	-12.92	8.64E-05	2.94E-07
NFATC2	14.13	8.67E-05	2.97E-07
NGF	-17.98	8.74E-05	3.01E-07
RNU6-1098P	9.4	8.95E-05	3.10E-07
IGFBP3	-22.04	8.95E-05	3.10E-07
ARL4C	-68.74	9.10E-05	3.16E-07
FLNB	113.8	9.21E-05	3.20E-07
CXCR4	107.56	9.23E-05	3.21E-07
MMP27	-15.74	9.44E-05	3.32E-07
PDE4B	74.94	9.46E-05	3.33E-07
CLEC14A	17.1	9.68E-05	3.42E-07
RNASE1	199.57	9.71E-05	3.45E-07
TXNDC5	22.67	9.71E-05	3.46E-07
LIPA	-87.65	9.71E-05	3.45E-07
LOC100421561	57.04	9.75E-05	3.47E-07
AADACP1	22.31	9.75E-05	3.48E-07
PIR	80.49	9.97E-05	3.58E-07
HACD4	-430.29	9.97E-05	3.59E-07
CYP4V2	-32.62	0.0001	3.70E-07
EVA1C	17.98	0.0001	3.72E-07
METRNL	-192.96	0.0001	3.71E-07
ITPR2	25.26	0.0001	3.75E-07

BHMT2	-12.39	0.0001	3.81E-07
ALDH9A1	-104.78	0.0001	3.88E-07
PREX2	20.66	0.0001	3.90E-07
TSPAN4	-15.67	0.0001	3.95E-07
SRGN	400.71	0.0001	4.01E-07
DKK1	-34.8	0.0001	4.03E-07
VWF	458.72	0.0001	4.14E-07
U3	11.74	0.0001	4.13E-07
SEPP1	-128.33	0.0001	4.14E-07
RP11-785D18.3	12.36	0.0001	4.18E-07
MAN1A1	-48.88	0.0001	4.21E-07
DCLK1	-242.43	0.0001	4.21E-07
PSPHP1	-103.35	0.0001	4.27E-07
MFSD1	-7.99	0.0001	4.28E-07
LOC102724434; AC073130.1	29	0.0001	4.37E-07
RP11-203M5.8	215.9	0.0001	4.39E-07
MSC-AS1	-16.35	0.0001	4.42E-07
DOCK4-AS1	13.31	0.0001	4.43E-07
DKK2	-10.39	0.0001	4.46E-07
CD164	-27.42	0.0001	4.47E-07
SMURF2	10.01	0.0001	4.48E-07
PLD3	-38.45	0.0001	4.52E-07
SPATA6	-8.65	0.0001	4.58E-07
CAMK2N1	-22.97	0.0001	4.64E-07
SHTN1	58.9	0.0001	4.66E-07
ZNF385D	-37.95	0.0001	4.74E-07
RP11-159D12.2; TCONS_00025146	268.59	0.0001	4.83E-07
RP11-498C9.13	19.48	0.0001	4.83E-07
CTSL	-59.38	0.0001	4.80E-07
LGALS3	-494.99	0.0001	4.83E-07
EYA1	-7.94	0.0001	4.89E-07
SLC1A3	-58.7	0.0001	4.90E-07
ANKRD29	-115.29	0.0001	5.04E-07
ASS1	-512.6	0.0001	5.04E-07
RBPM5	-24.83	0.0001	5.11E-07
SULT1B1	29.72	0.0001	5.15E-07
AK3	-17.03	0.0001	5.15E-07
HECW2	22.74	0.0001	5.21E-07
VEGFB	-25.38	0.0001	5.20E-07
KRBOX1	-14.24	0.0001	5.24E-07
KDM1A; MIR3115	10.43	0.0001	5.34E-07
OPTN	-14.07	0.0001	5.39E-07

LUZP1	32.37	0.0001	5.48E-07
SPATS2	31.62	0.0001	5.45E-07
RASSF8	-47.42	0.0001	5.47E-07
PLPP1; RNF138P1	-59.79	0.0001	5.48E-07
QPRT	-80.81	0.0001	5.49E-07
ANXA4	-31.6	0.0001	5.50E-07
MKI67	19.38	0.0001	5.61E-07
FDFT1	-25.55	0.0001	5.60E-07
CENPU	14.74	0.0001	5.67E-07
RASSF8-AS1	-13.01	0.0001	5.67E-07
CDC25B	-17.87	0.0001	5.65E-07
CD93	154.59	0.0001	5.84E-07
SNORA48	9.22	0.0001	5.89E-07
ITGA5	12.27	0.0001	6.10E-07
ANKRD13A	-12.62	0.0001	6.14E-07
PTN	-30.48	0.0001	6.17E-07
TFPI2	-1573.67	0.0001	6.21E-07
SYTL2	-15.07	0.0001	6.24E-07
LURAP1L-AS1	27.06	0.0001	6.28E-07
CRTAP	-19.85	0.0001	6.37E-07
LINC01614	16.95	0.0001	6.48E-07
C4BPB	8.81	0.0001	6.51E-07
PAPPA-AS1	-405.27	0.0002	6.57E-07
APCDD1	-30.04	0.0002	6.61E-07
MID2	9.53	0.0002	6.62E-07
THBS4	-14.37	0.0002	6.68E-07
CAMK2D	-178.99	0.0002	6.85E-07
COL1A2	-2534.9	0.0002	6.85E-07
BIN1	-27.82	0.0002	7.02E-07
IL1R1	-20.25	0.0002	7.10E-07
CTSD	-32.25	0.0002	7.13E-07
CDH5	256.68	0.0002	7.27E-07
ABLIM1	22.79	0.0002	7.27E-07
GSTM4	-39.54	0.0002	7.27E-07
RN7SL640P	19.45	0.0002	7.31E-07
RN7SL343P	19.45	0.0002	7.31E-07
PRR16	-29.24	0.0002	7.32E-07
FAM213A	18.78	0.0002	7.35E-07
TRPV2	158.26	0.0002	7.40E-07
ACEA_U3; U3	63.99	0.0002	7.40E-07
SNX9	-27.51	0.0002	7.45E-07
CASC15	23.68	0.0002	7.48E-07

FLI1	18.94	0.0002	7.49E-07
ARHGAP1	-7.07	0.0002	7.55E-07
PSMB9	-924.09	0.0002	7.68E-07
RP11-849F2.9	8.65	0.0002	7.70E-07
ZFP36	-808.51	0.0002	7.73E-07
HSPB3	-11.07	0.0002	7.74E-07
RABGEF1	-9.91	0.0002	7.79E-07
DOK5	-40.24	0.0002	7.78E-07
KDR	402.69	0.0002	8.12E-07
RP11-686D22.4	53.49	0.0002	8.14E-07
MIR199A2; MIR214; DNM3OS	-66.72	0.0002	8.21E-07
CYTH3	-8.46	0.0002	8.30E-07
PGM2L1	8.53	0.0002	8.33E-07
ULK4	15.54	0.0002	8.45E-07
GIMAP4	192	0.0002	8.51E-07
VPS35	-9.14	0.0002	8.53E-07
EMX2OS	-34	0.0002	8.48E-07
ST6GALNAC3	15.35	0.0002	8.62E-07
PRKAR2B	20.77	0.0002	8.63E-07
IFITM1	-349.47	0.0002	8.66E-07
MAST4	10.7	0.0002	8.81E-07
STAT2	-52.22	0.0002	8.85E-07
FAM102A	-23.03	0.0002	8.92E-07
MX1	-784.43	0.0002	8.93E-07
TIMP3	-45.04	0.0002	8.95E-07
CIART	-35.26	0.0002	9.09E-07
LMNB1	7.94	0.0002	9.25E-07
MECOM	55.98	0.0002	9.37E-07
GNPTAB	-8.99	0.0002	9.47E-07
INPP5D	12.94	0.0002	9.52E-07
ADAMTS9-AS1	11.57	0.0002	9.56E-07
ZIC1	-14.29	0.0002	9.58E-07
CNTNAP3B	9.26	0.0002	9.84E-07
HTRA1	-12.97	0.0002	9.85E-07
ZNF267	52.7	0.0002	9.92E-07
PHF10	11.06	0.0002	9.94E-07
CAV1	-6.77	0.0002	9.99E-07
CD99P1	47.3	0.0002	1.00E-06
ANLN	10.66	0.0002	1.01E-06
RGN	-12.51	0.0002	1.01E-06
LOXL4	-13.79	0.0002	1.02E-06
ADH5	-53.16	0.0002	1.02E-06

SKIL	40.72	0.0002	1.05E-06
CD109	-27.32	0.0002	1.05E-06
RSU1	-31.51	0.0002	1.05E-06
ARHGAP18	10.54	0.0002	1.06E-06
CKB	-9.19	0.0002	1.07E-06
CCNJL	20.27	0.0002	1.07E-06
CTB-193M12.5	31.62	0.0002	1.08E-06
C6orf89	-12.65	0.0002	1.09E-06
RP3-337O18.9	-6.37	0.0002	1.09E-06
RP11-244F12.2	13.28	0.0002	1.10E-06
RP11-50I19.2	38.67	0.0002	1.11E-06
SLC35F5	-8.09	0.0002	1.11E-06
TBC1D15	-8.78	0.0002	1.12E-06
DDX3Y	58.81	0.0002	1.12E-06
SMAD1-AS1	42.18	0.0002	1.14E-06
LTBP1	-564.12	0.0002	1.13E-06
BNIP3P7	129.94	0.0002	1.15E-06
CYTL1	179.39	0.0002	1.15E-06
TMEM47	-50.39	0.0002	1.16E-06
TMEM159	-23.27	0.0002	1.16E-06
LPCAT2	25.91	0.0002	1.18E-06
S100A3	-24.23	0.0002	1.19E-06
IDI1	-64.22	0.0002	1.21E-06
L3MBTL3	16.84	0.0002	1.23E-06
PANX1	-12.4	0.0002	1.24E-06
RP5-890E16.5	11.17	0.0002	1.25E-06
TWIST2	-121.52	0.0002	1.25E-06
SAR1A	-8.62	0.0002	1.26E-06
FNBP1L	30.75	0.0002	1.27E-06
RECK	-67.72	0.0002	1.28E-06
FOLR3	-27.29	0.0002	1.28E-06
LOC105379695; XXbac-BPG252P9.10	6.43	0.0002	1.31E-06
CNIH3	-30.26	0.0002	1.30E-06
LRRC32	-140.05	0.0002	1.30E-06
SLC16A2	-56.59	0.0002	1.32E-06
SNORA69	20	0.0002	1.33E-06
SEC22B	-45.62	0.0002	1.33E-06
TEX9	-6.74	0.0002	1.34E-06
SMAD6	-13.26	0.0002	1.33E-06
TCEAL7	-7.58	0.0002	1.35E-06
NAAA	-8.64	0.0002	1.35E-06
PARP8	-18.97	0.0002	1.37E-06

GPR4	15.38	0.0002	1.37E-06
PCDH18	-132.41	0.0003	1.39E-06
RP11-567L7.5	15.04	0.0003	1.42E-06
CYP1B1	-83.12	0.0003	1.43E-06
PCAT19	17.93	0.0003	1.45E-06
RARB	7.22	0.0003	1.49E-06
APPL2	-12.95	0.0003	1.50E-06
KDSR	-8.53	0.0003	1.51E-06
PLPP2	-12.45	0.0003	1.52E-06
TMEM246	-22.59	0.0003	1.55E-06
LRRC34	-8.22	0.0003	1.57E-06
TRAM1	-11.07	0.0003	1.56E-06
HEBP1	-11.26	0.0003	1.57E-06
EPS8	-15.25	0.0003	1.57E-06
SNORD123; SNHG18	-192.69	0.0003	1.57E-06
GBA	-64.96	0.0003	1.60E-06
IL20RB	-11.8	0.0003	1.61E-06
LINC01397	-14.44	0.0003	1.62E-06
FHOD3	-19.05	0.0003	1.65E-06
SCOC-AS1	7.67	0.0003	1.67E-06
CLMP	-113	0.0003	1.66E-06
PI4K2A	-10.08	0.0003	1.70E-06
TMED4	-15.17	0.0003	1.70E-06
CFI	329.36	0.0003	1.71E-06
ELK4	10.28	0.0003	1.71E-06
SULF2	36.77	0.0003	1.73E-06
PTGFR	-99.14	0.0003	1.73E-06
KLF7	15.49	0.0003	1.75E-06
SLC5A3; MRPS6	-38.41	0.0003	1.75E-06
TNFSF18	13.74	0.0003	1.76E-06
DCAF6	-8.45	0.0003	1.78E-06
SLC17A5	-23.89	0.0003	1.79E-06
POPDC3	-63.86	0.0003	1.79E-06
TGFBR3	-307.02	0.0003	1.80E-06
CTD-2033D15.1	36.46	0.0003	1.80E-06
CTD-2531D15.5	22.44	0.0003	1.82E-06
KATNAL2	-6.92	0.0003	1.82E-06
DYNLT3	-17.69	0.0003	1.83E-06
TUBA4A	-63.24	0.0003	1.82E-06
TAF15	6.45	0.0003	1.85E-06
RUNX2	-6.11	0.0003	1.87E-06
PHYH	-111.22	0.0003	1.88E-06

RP11-323N12.5	-8.46	0.0003	1.89E-06
MPZL2	13.55	0.0003	1.92E-06
SENCR	10.48	0.0003	1.92E-06
VCAN-AS1; CTC-348L14.1	-40.62	0.0003	1.98E-06
SFRP1	-148.45	0.0003	1.98E-06
CENPV	16.83	0.0003	2.01E-06
RN7SL849P	19.97	0.0003	2.03E-06
SBSN	-63.5	0.0003	2.03E-06
RP11-442H21.2	5.78	0.0003	2.04E-06
TFAP2C	-9.54	0.0003	2.06E-06
CAPG	-81.95	0.0003	2.07E-06
RP11-649A18.5	11.91	0.0003	2.11E-06
ARRDC3	-10.54	0.0003	2.10E-06
KRT7	120.36	0.0003	2.14E-06
CDH11	-7.23	0.0003	2.14E-06
AADA2L2-AS1	22.58	0.0003	2.15E-06
LXN	23.78	0.0003	2.16E-06
POSTN	25.87	0.0003	2.18E-06
CGNL1	13.59	0.0003	2.19E-06
FABP4	74.1	0.0003	2.20E-06
RP11-1024P17.1	17.37	0.0003	2.21E-06
RPS6KB1	8.59	0.0004	2.25E-06
PSG6	-16.92	0.0004	2.26E-06
LRRC8C	10.62	0.0004	2.27E-06
TAGLN	-76.71	0.0004	2.27E-06
PLEKHA5	-5.53	0.0004	2.29E-06
ISLR	-153.2	0.0004	2.29E-06
NEFL	-417.75	0.0004	2.29E-06
TMEM14C	-19.12	0.0004	2.31E-06
PLIN2	-156.33	0.0004	2.32E-06
GSN	-28.69	0.0004	2.42E-06
EIF4EBP2	-20.69	0.0004	2.43E-06
LBH	-59.18	0.0004	2.43E-06
GLRX	-106.79	0.0004	2.45E-06
SNORA25	16.53	0.0004	2.46E-06
ICA1	25.16	0.0004	2.47E-06
GREM2	-8.15	0.0004	2.48E-06
RARG	-39.38	0.0004	2.48E-06
PDCD4; MIR4680	-22.19	0.0004	2.49E-06
PSMB8	-37.52	0.0004	2.50E-06
RNU6-188P	15.89	0.0004	2.51E-06
SAMSN1	8.41	0.0004	2.53E-06

HLA-B	-15.81	0.0004	2.53E-06
KCNA3	-7.76	0.0004	2.57E-06
RRAGC	-7.11	0.0004	2.58E-06
TPM2	-11.27	0.0004	2.58E-06
CARD8	14.48	0.0004	2.59E-06
CH507-338C24.1	9.56	0.0004	2.59E-06
ZNF341-AS1	19.01	0.0004	2.62E-06
SAT2	-23.77	0.0004	2.62E-06
C1S	-19.62	0.0004	2.63E-06
SLC22A18	-9.78	0.0004	2.66E-06
PSG9	-23.98	0.0004	2.68E-06
GABPB2	-7.68	0.0004	2.69E-06
ZNF582-AS1	-10.12	0.0004	2.69E-06
TNFSF13B	-5	0.0004	2.71E-06
PIR-FIGF	6.29	0.0004	2.74E-06
MEG3; MIR770	-13.95	0.0004	2.79E-06
ROBO1	-248.53	0.0004	2.80E-06
CEBPG	8.73	0.0004	2.80E-06
PSD3	-8.44	0.0004	2.84E-06
RP11-650L12.2	13.07	0.0004	2.86E-06
XIST	-484.06	0.0004	2.87E-06
ZDHHC7	-17.3	0.0004	2.87E-06
PTPN12	13.04	0.0004	2.88E-06
SYNC	-18.27	0.0004	2.92E-06
PMP22	-38.59	0.0004	2.92E-06
CYTH1	10.01	0.0004	2.95E-06
GLMP	-6.56	0.0004	2.95E-06
PTGER3	-9.37	0.0004	2.95E-06
CFL2	-11.97	0.0004	2.94E-06
CA12	-20.59	0.0004	2.94E-06
CNTNAP3	10.33	0.0004	2.98E-06
SGCD	-16.92	0.0004	2.99E-06
YES1	12.45	0.0004	3.01E-06
RPTN	-14.38	0.0004	3.02E-06
AC010084.1	8.46	0.0004	3.05E-06
CMBL	-9.24	0.0004	3.09E-06
TSHZ2	-9.84	0.0004	3.07E-06
AGTR1	-10.81	0.0004	3.09E-06
CD44	-13.23	0.0004	3.07E-06
TMEM55A	-23.68	0.0004	3.09E-06
ITM2C	-18.67	0.0004	3.11E-06
MOSPD2	-5.69	0.0004	3.12E-06

PTPN13	-48.23	0.0004	3.12E-06	
PEBP1	-147.75	0.0004	3.15E-06	
SERINC2	-131.11	0.0004	3.19E-06	
KIAA1551	39.21	0.0004	3.20E-06	
TWISTNB	7.77	0.0005	3.24E-06	
ACSS3	-13.54	0.0005	3.23E-06	
LL22NC03-N64E9.1	8.67	0.0005	3.27E-06	
KIAA1715	-25.09	0.0005	3.28E-06	
IFIT1	-409.11	0.0005	3.29E-06	
C21orf91; C21orf91-OT1	-17.5	0.0005	3.31E-06	
RP11-131L23.2	55.03	0.0005	3.36E-06	
MAN1C1	-8.12	0.0005	3.36E-06	
FAM107B	7.04	0.0005	3.38E-06	
Vault	121.4	0.0005	3.39E-06	
COL8A1	18.64	0.0005	3.42E-06	
CTD-2014D20.1	10.2	0.0005	3.42E-06	
PLK2	12.92	0.0005	3.43E-06	
DNAJB4	9.83	0.0005	3.45E-06	
HERC3	-17.55	0.0005	3.46E-06	
PODN	-56.03	0.0005	3.48E-06	
PMM1	-59.07	0.0005	3.50E-06	
DGKH	7.9	0.0005	3.51E-06	
KIF6	-16.5	0.0005	3.51E-06	
CRYM	-9.4	0.0005	3.53E-06	
RN7SL462P	11.07	0.0005	3.57E-06	
RN7SL422P	11.07	0.0005	3.57E-06	
SOD3	-20.65	0.0005	3.58E-06	
FAS	-27.73	0.0005	3.59E-06	
LIMA1	-43.82	0.0005	3.59E-06	
BLMH	18.69	0.0005	3.64E-06	
CYB5R3	-379.26	0.0005	3.66E-06	
OSBPL1A	-7.33	0.0005	3.68E-06	
RDH10	-15.26	0.0005	3.69E-06	
BACE2	34.8	0.0005	3.71E-06	
HAGLR	12.12	0.0005	3.72E-06	
CST3	-89.64	0.0005	3.72E-06	
	Sep-09	-16.83	0.0005	3.75E-06
PAWR	148.22	0.0005	3.77E-06	
TWSG1	-14.98	0.0005	3.79E-06	
WDR41	-7.03	0.0005	3.81E-06	
TOP2A	15.75	0.0005	3.83E-06	
PARP9	-20.33	0.0005	3.83E-06	

SMAD1	20.07	0.0005	3.85E-06
EBF2	-66.55	0.0005	3.85E-06
KCNMA1	-97.42	0.0005	3.89E-06
GPM6B	-10.55	0.0005	3.90E-06
MFAP2	-61.59	0.0005	3.90E-06
ARHGAP31	13.12	0.0005	3.91E-06
MPV17	-48.24	0.0005	3.95E-06
TLR4	43.67	0.0005	3.97E-06
PRKY	11.32	0.0005	3.97E-06
AC129778.3; BMS1P14	15.47	0.0005	3.98E-06
PPARG	-41.25	0.0005	3.98E-06
ADAM12	-18.04	0.0005	4.00E-06
CREG1	-15.94	0.0005	4.03E-06
TCEA3	-38.98	0.0005	4.03E-06
FAM60A	29.68	0.0005	4.05E-06
IGFBP5	-162.03	0.0005	4.05E-06
FAM126A	-22.18	0.0005	4.09E-06
RAB27B	-28.84	0.0005	4.10E-06
UTY	5.67	0.0005	4.11E-06
MLLT3	-8.74	0.0005	4.13E-06
ICAM2	146.1	0.0005	4.15E-06
GSTM3	-11.49	0.0005	4.19E-06
PDCD6IPP2	20.52	0.0005	4.21E-06
ADGRE5	-26.1	0.0005	4.24E-06
SCG5	-9.33	0.0005	4.28E-06
GIMAP2	13.68	0.0005	4.30E-06
WDR63	-18.84	0.0006	4.36E-06
STK3	-11.41	0.0006	4.37E-06
SLC2A14	-8.91	0.0006	4.40E-06
RP11-333J10.3	4.85	0.0006	4.43E-06
SLC6A15	-22.55	0.0006	4.47E-06
GLMP	-301.3	0.0006	4.49E-06
CSF1	-7.98	0.0006	4.53E-06
C1orf123	-9.97	0.0006	4.55E-06
GMFG	28.87	0.0006	4.56E-06
MEST	-9.39	0.0006	4.56E-06
SEC23A	-8.89	0.0006	4.58E-06
C5orf15	-7.32	0.0006	4.63E-06
MMP2	-189.38	0.0006	4.64E-06
ERGIC1	-32.01	0.0006	4.66E-06
RNF185-AS1; RP3-515N1.10	-17.43	0.0006	4.67E-06
FAXDC2	-14.37	0.0006	4.70E-06

ZNF106	-8.62	0.0006	4.70E-06
CASP1	-8.23	0.0006	4.76E-06
EIF3J	13.43	0.0006	4.78E-06
SLC9A7	-10.47	0.0006	4.78E-06
NOS3	12.52	0.0006	4.80E-06
GBP1P1	-10.28	0.0006	4.80E-06
FIG4	-37.79	0.0006	4.80E-06
CPQ	-13.75	0.0006	4.84E-06
LINC00968	-27.53	0.0006	4.90E-06
KLHL6-AS1	6.79	0.0006	4.93E-06
TCONS_I2_00029962	61.6	0.0006	4.94E-06
ERV3-1; ZNF117	123.92	0.0006	4.96E-06
ABCE1	7.9	0.0006	4.98E-06
SRFBP1	5.08	0.0006	4.98E-06
SLC25A6P2	-5.31	0.0006	4.98E-06
HERC5	-7.37	0.0006	4.99E-06
ARMC9	-8.87	0.0006	4.99E-06
TRIM22	-26.79	0.0006	5.01E-06
SQRDL	-68.3	0.0006	5.03E-06
RP11-160E2.19	5.85	0.0006	5.07E-06
FAM45A	-13.01	0.0006	5.06E-06
GBAP1	-14.28	0.0006	5.07E-06
NFIX	-113.05	0.0006	5.07E-06
PLPP4	16.15	0.0006	5.14E-06
DEPDC7	-39.32	0.0006	5.18E-06
ALPK2	-90.73	0.0006	5.18E-06
RP11-327F22.2	-5.11	0.0006	5.20E-06
ITGA2	26.08	0.0006	5.26E-06
LINC01305	-13.02	0.0006	5.27E-06
CA5BP1	-25.19	0.0006	5.27E-06
RP11-295H24.4	34.11	0.0006	5.29E-06
SEMA6D	-7.82	0.0006	5.32E-06
CTSA	-32.22	0.0006	5.37E-06
COL3A1; MIR3606	-113.65	0.0006	5.40E-06
CERCAM	-41.3	0.0006	5.44E-06
ATP6V1E1	-9.37	0.0006	5.49E-06
BLOC1S6	-10.19	0.0006	5.49E-06
AP3S1	-20.02	0.0006	5.50E-06
LRP1	-70.75	0.0006	5.53E-06
NLK	21.41	0.0007	5.56E-06
AIP	-10.39	0.0007	5.61E-06
MFAP5	-8.84	0.0007	5.63E-06

ELMO1	9.9	0.0007	5.67E-06
SNORD92	43.58	0.0007	5.72E-06
PAK1	-22.39	0.0007	5.72E-06
RNU2-7P	7.34	0.0007	5.88E-06
SYNPO	16.39	0.0007	5.89E-06
FAR2	10.74	0.0007	5.97E-06
ULK4P3; ULK4P2	10.23	0.0007	6.05E-06
RNF144B	5.56	0.0007	6.06E-06
SSBP2	-9.11	0.0007	6.07E-06
TXLNGY	8.73	0.0007	6.11E-06
CLMN	7.59	0.0007	6.16E-06
TBX3	-20.85	0.0007	6.16E-06
STAT4	-8.56	0.0007	6.18E-06
RNU2-63P	14.26	0.0007	6.19E-06
BMPER	-9.96	0.0007	6.22E-06
BMPR1A	-13.63	0.0007	6.24E-06
CORO2B	-14.27	0.0007	6.25E-06
CHID1	-37.73	0.0007	6.26E-06
SSPN	-32.08	0.0007	6.29E-06
UTP6	8.86	0.0007	6.36E-06
PHACTR2	7.28	0.0007	6.34E-06
RNF19A	6.03	0.0007	6.36E-06
NTNG1	-11.43	0.0007	6.36E-06
ARHGAP11B; ARHGAP11A	15.83	0.0007	6.37E-06
HAS2	-8.73	0.0007	6.39E-06
STEAP2	-13.74	0.0007	6.46E-06
FKBP10	-38.2	0.0007	6.45E-06
STEAP1B	-45.19	0.0007	6.51E-06
YIPF5	-4.93	0.0007	6.67E-06
BLOC1S1-RDH5; RP11-644F5.10	-36.68	0.0007	6.67E-06
SH3BGRL2	8.37	0.0007	6.69E-06
TCEAL1	-11.03	0.0007	6.69E-06
APEH	-11.93	0.0007	6.74E-06
PID1	-4.89	0.0007	6.76E-06
SATB2	-10.7	0.0007	6.79E-06
APBB2	12.46	0.0007	6.80E-06
Y_RNA	7.34	0.0007	6.82E-06
ADI1	-29.42	0.0008	6.86E-06
RP11-732A19.5	8.21	0.0008	6.94E-06
C1orf54	27	0.0008	6.97E-06
HMMR	7.01	0.0008	6.97E-06
RP11-731C17.2	4.93	0.0008	7.03E-06

GABARAPL1	-26.95	0.0008	7.06E-06
ERCC2	-7.53	0.0008	7.08E-06
TRIP6; MIR6875	-8.43	0.0008	7.14E-06
GNPTG	-9.6	0.0008	7.20E-06
RP11-679B17.2	17.64	0.0008	7.23E-06
C1R	-8.27	0.0008	7.23E-06
MIR3179-3	7.54	0.0008	7.26E-06
VSTM4	-49.94	0.0008	7.26E-06
BANF1P1	12.33	0.0008	7.29E-06
uc_338	6.55	0.0008	7.30E-06
IVNS1ABP	5.36	0.0008	7.30E-06
CYP2U1	-9.23	0.0008	7.31E-06
SDC4	-6.58	0.0008	7.32E-06
RP11-638I2.8	7.32	0.0008	7.40E-06
SCP2	-4.51	0.0008	7.52E-06
QDPR	-11.98	0.0008	7.52E-06
CTSB	-702.04	0.0008	7.65E-06
B4GALT4	-8.28	0.0008	7.67E-06
VKORC1	-16.41	0.0008	7.68E-06
PREX1	12.37	0.0008	7.71E-06
RP11-400N13.3	-74.84	0.0008	7.71E-06
IDH1	-19.7	0.0008	7.73E-06
CCDC92	-28.07	0.0008	7.78E-06
RP11-64D22.5	8.04	0.0008	7.80E-06
BACH1	-10.78	0.0008	7.83E-06
AP3S2; MIR5009	-8.09	0.0008	7.84E-06
F10	-25.44	0.0008	7.97E-06
RP11-632F7.3	16.25	0.0008	8.02E-06
ATP5J2P6	7.46	0.0008	8.01E-06
MXI1	-11.82	0.0008	8.05E-06
PTGS1	-28.39	0.0008	8.06E-06
ASPM	20.23	0.0008	8.16E-06
THSD7A	5.57	0.0008	8.16E-06
HSD17B12	-5.99	0.0008	8.15E-06
HSD17B14	-25.07	0.0008	8.17E-06
BID	21.04	0.0009	8.22E-06
GAL3ST4	-13.33	0.0009	8.23E-06
CRNDE	-37.71	0.0009	8.23E-06
TPCN1	-6.18	0.0009	8.26E-06
SERF2	-29.32	0.0009	8.32E-06
NUSAP1	8.26	0.0009	8.39E-06
LMBRD1	-10.44	0.0009	8.43E-06

PAPPA	-111.48	0.0009	8.46E-06
DUSP6	6.04	0.0009	8.47E-06
NSF	-4.99	0.0009	8.48E-06
DNAJB1	-17.2	0.0009	8.51E-06
FCHSD2	4.24	0.0009	8.56E-06
NABP1	-5.03	0.0009	8.58E-06
HNRNPUL2-BSCL2	-6.96	0.0009	8.59E-06
PIFO	-72.41	0.0009	8.62E-06
STRADB	-27.71	0.0009	8.74E-06
CMTM8	19.1	0.0009	8.78E-06
IFI27L1	-13.22	0.0009	8.80E-06
IGFBP7	20.21	0.0009	8.86E-06
PIGK	-7.06	0.0009	8.91E-06
RNU6-26P	159.73	0.0009	8.98E-06
SRSF2; MIR636	5.69	0.0009	8.97E-06
ST6GALNAC5	-4.67	0.0009	8.96E-06
RNF24	-46.47	0.0009	8.98E-06
TSPAN12	9.11	0.0009	9.15E-06
FAM49A	8.36	0.0009	9.35E-06
BOC	-7.21	0.0009	9.36E-06
MIS18BP1	6.43	0.0009	9.42E-06
CLIP3	-5.48	0.0009	9.42E-06
HEXA	-114.48	0.0009	9.42E-06
RP11-74C13.4	7.08	0.0009	9.54E-06
LRP10	-29.67	0.0009	9.56E-06
MARVELD1	-14.73	0.0009	9.62E-06
TRIM2	-23.69	0.001	9.67E-06
HERC6	-5.46	0.001	9.70E-06
WISP2	-12.61	0.001	9.82E-06
FLJ32255	14.36	0.001	9.88E-06
RN7SL438P	8.91	0.001	9.88E-06
CALU	-10.15	0.001	9.90E-06
TMEM14EP	12.16	0.001	9.98E-06
EMP3	-40.34	0.001	1.00E-05
SERINC1	-13.21	0.001	1.00E-05
DTD2	-4.26	0.001	1.01E-05
SEMA4D	11.27	0.001	1.01E-05
PPARGC1A	-75.84	0.001	1.01E-05
LURAP1L	-6.58	0.001	1.02E-05
GPR1	-18.43	0.001	1.02E-05
LOC100505715; RP11-15A1.3	-36.31	0.001	1.02E-05
FAM127C	-5.88	0.001	1.04E-05

RTN3	-12.37	0.001	1.04E-05
CASP3	4.18	0.001	1.06E-05
PHF11	-10.25	0.001	1.06E-05
ERAP2	25.33	0.001	1.07E-05
RNF14	-6.76	0.001	1.07E-05
MAT2A	-17.8	0.001	1.07E-05
UBD	12.46	0.001	1.07E-05
IGFBP4	-477.15	0.001	1.07E-05
RP11-230C9.3	31.85	0.001	1.08E-05
PROS2P	-11.65	0.001	1.08E-05
CYB5R1	-20.22	0.001	1.08E-05
TYSND1	-10.2	0.001	1.08E-05
NENF	-24.14	0.001	1.09E-05
RP11-380M21.1	5.18	0.001	1.09E-05
MKX	-6.85	0.001	1.09E-05
RNU7-158P	7.44	0.001	1.10E-05
NIPAL2	-37.37	0.001	1.09E-05
SLC1A1	-5.11	0.001	1.10E-05
KLF7-IT1; AC008062.1	34.38	0.001	1.10E-05
SNORA70	5.53	0.001	1.10E-05
PPCS; CCDC30	-15.85	0.001	1.10E-05
FABP5P1	39.65	0.001	1.11E-05
INSIG2	8.57	0.0011	1.11E-05
ZNF185	5.3	0.0011	1.11E-05
RP11-140H17.2	49.75	0.0011	1.12E-05
SCPEP1	-11.32	0.0011	1.12E-05
ALDH3A2	-4.5	0.0011	1.12E-05
RP11-638I2.6	54.21	0.0011	1.13E-05
PSG3	-6.93	0.0011	1.14E-05
CD99L2	-8.51	0.0011	1.14E-05
SNX7	-4.58	0.0011	1.14E-05
LAMP1	-11.74	0.0011	1.14E-05
BUD13	6.15	0.0011	1.14E-05
BEND6	-9.47	0.0011	1.16E-05
MMP24-AS1	-28.55	0.0011	1.16E-05
SAMD4A	10.31	0.0011	1.16E-05
IRAK1; MIR718	-4.38	0.0011	1.16E-05
WWTR1	6.54	0.0011	1.16E-05
VAT1	-77.3	0.0011	1.17E-05
MTND6P18	41.79	0.0011	1.18E-05
TSG101	-7.82	0.0011	1.18E-05
ACAT1	-19.58	0.0011	1.19E-05

ADGRG1	11.85	0.0011	1.19E-05
GRB14	24.43	0.0011	1.21E-05
SERPINE1	22.57	0.0011	1.22E-05
RP11-44N12.5	-23.88	0.0011	1.22E-05
DTX3L	-8.38	0.0011	1.22E-05
NT5DC1	-8.51	0.0011	1.22E-05
PHACTR2	19.88	0.0011	1.23E-05
NCAPG	4.9	0.0011	1.23E-05
RP11-538I12.3	6.65	0.0011	1.23E-05
NHSL1	6.37	0.0011	1.25E-05
AP1S2	-8.61	0.0011	1.25E-05
ENPP5	-5.54	0.0011	1.25E-05
RP11-403I13.8; LINC00869	-32.83	0.0011	1.25E-05
OCIAD2	98.95	0.0011	1.26E-05
FAM180A	-74.73	0.0012	1.27E-05
HHIP-AS1	67.81	0.0012	1.29E-05
RP11-567L7.3	55.45	0.0012	1.30E-05
CALCOCO1	-5.29	0.0012	1.30E-05
SMIM14	-6.49	0.0012	1.30E-05
RSRC1	-6.15	0.0012	1.31E-05
ARL6IP5	-11.11	0.0012	1.31E-05
SERINC3	-6.58	0.0012	1.32E-05
LDOC1	-12.98	0.0012	1.32E-05
STARD5	-7.48	0.0012	1.33E-05
RP11-20G6.1	132.63	0.0012	1.33E-05
RNU1-106P	6.29	0.0012	1.34E-05
ARMCX1	-23.7	0.0012	1.35E-05
RP11-617F23.2	4.1	0.0012	1.35E-05
ANO2	4.82	0.0012	1.36E-05
OGDH	-11.71	0.0012	1.36E-05
BNIP3P4	27.6	0.0012	1.36E-05
AC005523.2	5.11	0.0012	1.36E-05
ENOSF1	8.8	0.0012	1.37E-05
ERCC6; ERCC6-PGBD3; PGBD3	19.32	0.0012	1.38E-05
RUNX1T1	-4.79	0.0012	1.38E-05
MSANTD3-TMEFF1	-17.93	0.0012	1.38E-05
BLM	5.13	0.0012	1.38E-05
AC003092.1	-19.11	0.0012	1.39E-05
SPC25	5.72	0.0012	1.41E-05
FMNL2	36.75	0.0012	1.41E-05
WIPI1	-9.73	0.0012	1.41E-05
CLDN12	-4.35	0.0012	1.42E-05

DBI	-3.63	0.0012	1.42E-05
DNM1	-26.22	0.0012	1.42E-05
HCFC1R1	-63.05	0.0012	1.42E-05
RNU6-97P	12.31	0.0013	1.43E-05
ASRGL1	14.87	0.0013	1.44E-05
SEMA3C	-47.86	0.0013	1.45E-05
CHST1	7.38	0.0013	1.46E-05
SDCBP	-5.09	0.0013	1.46E-05
LINC00607	7.81	0.0013	1.47E-05
MATN2	-88.21	0.0013	1.48E-05
RAB13	-7.94	0.0013	1.48E-05
RN7SL398P	4.81	0.0013	1.49E-05
CASP10	5.87	0.0013	1.49E-05
MBNL1-AS1	-6.85	0.0013	1.49E-05
RRAS2	-5.01	0.0013	1.50E-05
CHD7	7.09	0.0013	1.50E-05
GPRC5A; MIR614	4.63	0.0013	1.50E-05
RN7SKP258	4.39	0.0013	1.50E-05
NDUFA13	-92.42	0.0013	1.50E-05
GMFB	-6.51	0.0013	1.51E-05
ARL6IP6	5.45	0.0013	1.52E-05
MED14	5.39	0.0013	1.53E-05
RP11-127L20.5	9.53	0.0013	1.54E-05
ACO1	-12.12	0.0013	1.54E-05
TPD52L2	-33.49	0.0013	1.54E-05
DHDDS	-12.09	0.0013	1.54E-05
NUP50-AS1	-6.04	0.0013	1.55E-05
RP5-894A10.6	9.2	0.0013	1.55E-05
BNIP3P3	7.92	0.0013	1.55E-05
DOCK11	-27.93	0.0013	1.56E-05
STK17B	-6.5	0.0013	1.56E-05
RPL31P15	5.04	0.0013	1.57E-05
CLPTM1	-12.27	0.0013	1.57E-05
RP11-363E6.3	7.55	0.0013	1.58E-05
SATB1	-14.88	0.0013	1.59E-05
SLC15A3	-5.51	0.0014	1.61E-05
NEK2	8.06	0.0014	1.62E-05
MLLT4	8.91	0.0014	1.63E-05
RN7SKP163	25.01	0.0014	1.63E-05
RNU4-62P	14.49	0.0014	1.63E-05
CTR9	-5.6	0.0014	1.65E-05
FGD4	4.22	0.0014	1.67E-05

STK39	-8.2	0.0014	1.68E-05
GRAMD1B	-11.42	0.0014	1.69E-05
KB-1674E1.2	3.98	0.0014	1.69E-05
SCIN	-32.56	0.0014	1.70E-05
TRAF3IP2	-7.97	0.0014	1.70E-05
RP11-31H5.3	18.47	0.0014	1.70E-05
TNFAIP8	-3.56	0.0014	1.70E-05
SLC7A11-AS1	9.02	0.0014	1.71E-05
FNIP1	-9.48	0.0014	1.71E-05
TEX264	-32.87	0.0014	1.72E-05
TCTN1	-15.96	0.0014	1.73E-05
BCKDHB	-6.91	0.0014	1.73E-05
ARHGAP12	-22.27	0.0014	1.74E-05
IFI6	-189.96	0.0014	1.74E-05
COL18A1	35.61	0.0014	1.74E-05
TCEAL6	-5.55	0.0014	1.74E-05
NUCB1	-12.35	0.0014	1.74E-05
RAB2A	-8.45	0.0014	1.75E-05
NOP56P3	8.25	0.0014	1.75E-05
GACAT2	-21.36	0.0015	1.76E-05
PKM	-57.14	0.0015	1.77E-05
SHOX2	-19.48	0.0015	1.77E-05
TCTN3	-40.49	0.0015	1.77E-05
STK32C	4.05	0.0015	1.78E-05
GPR176	-17.28	0.0015	1.78E-05
MYLK	-37.88	0.0015	1.78E-05
UBE2L6	-68.74	0.0015	1.82E-05
GPRC5B	47.03	0.0015	1.82E-05
KIAA0040	6.6	0.0015	1.82E-05
GJA1	-7.24	0.0015	1.83E-05
ARSB	-7.68	0.0015	1.83E-05
COMT; MIR4761	-6.57	0.0015	1.84E-05
AC003986.7	-8.72	0.0015	1.84E-05
RNASET2	-9.25	0.0015	1.85E-05
LIMS3L	5.1	0.0015	1.85E-05
FAM83D	4.81	0.0015	1.86E-05
CCDC91	-4.65	0.0015	1.86E-05
APBB1IP	-5.08	0.0015	1.86E-05
PIP5K1C	-6.66	0.0015	1.86E-05
CYLD	-5.46	0.0015	1.86E-05
MTSS1L	-67.3	0.0015	1.86E-05
CAST	-8.18	0.0015	1.87E-05

FAM20C	-9.43	0.0015	1.87E-05
RP11-152H18.3	-7.08	0.0015	1.88E-05
PRC1	6.25	0.0015	1.89E-05
ADCY1	-5.91	0.0015	1.89E-05
ZNF883	-5.61	0.0015	1.89E-05
SLC16A1	5.98	0.0015	1.89E-05
FBNP1	-6.75	0.0015	1.89E-05
ESYT2	-6.95	0.0015	1.89E-05
KNOP1	4.33	0.0015	1.92E-05
MAP3K12	-7.68	0.0015	1.92E-05
LMNA	-62.04	0.0015	1.93E-05
ABHD12	-5.53	0.0015	1.93E-05
LOC100335030	5.85	0.0015	1.93E-05
CEP295NL; TIMP2	-31.66	0.0015	1.95E-05
CLEC2B	-37.62	0.0016	1.97E-05
GINM1	-4.08	0.0016	1.97E-05
EBP	-16.5	0.0016	1.98E-05
RPL23AP82	-7.78	0.0016	1.99E-05
RP11-146D12.2	9.74	0.0016	2.00E-05
CD81	-182.51	0.0016	2.02E-05
IL34	-7	0.0016	2.02E-05
NCKAP5	-4.25	0.0016	2.03E-05
LOC100507002; RP11-160O5.1	-5.78	0.0016	2.04E-05
RAB7B	-6.4	0.0016	2.04E-05
LINC01138	-13.85	0.0016	2.04E-05
SLC38A6	-6.68	0.0016	2.07E-05
FADS1; MIR1908	-60.77	0.0016	2.07E-05
TOM1	-16.74	0.0016	2.09E-05
C19orf33	4	0.0016	2.10E-05
WDR11	-4.07	0.0016	2.10E-05
NTF3	-6.54	0.0016	2.10E-05
SS18	-6.65	0.0016	2.12E-05
ARNT	-3.64	0.0016	2.12E-05
CBR1	-16.44	0.0016	2.13E-05
CEP95	8.3	0.0016	2.13E-05
ARHGAP26	5.84	0.0016	2.13E-05
SOAT1	-6.63	0.0016	2.14E-05
BNIP3L	-4.55	0.0016	2.14E-05
GIMAP7	12.54	0.0016	2.15E-05
NPR3	-4.01	0.0017	2.17E-05
FAM95B1	15.63	0.0017	2.18E-05
IL15	-8.34	0.0017	2.18E-05

SLC16A4	-13.13	0.0017	2.19E-05
KIF14	4.58	0.0017	2.21E-05
SEC22C	-5.38	0.0017	2.21E-05
MMP24-AS1; RP4-614O4.5	-16.22	0.0017	2.22E-05
ABCC9	-18.21	0.0017	2.24E-05
ZNF880	-18.59	0.0017	2.24E-05
RIN2	34.02	0.0017	2.24E-05
PLD1	6.56	0.0017	2.25E-05
PNRC1	-10.63	0.0017	2.24E-05
B4GALT1-AS1	-11.93	0.0017	2.26E-05
PDE10A	7.01	0.0017	2.26E-05
SLC16A7	-20.19	0.0017	2.27E-05
SCARNA14	239.73	0.0017	2.29E-05
AVPI1	-6.03	0.0017	2.29E-05
GABPB1	9.8	0.0017	2.30E-05
UST	-5.96	0.0017	2.30E-05
CNN2	-28.76	0.0017	2.30E-05
AS3MT	-15.97	0.0017	2.31E-05
RETSAT	-6.95	0.0018	2.34E-05
RP11-130L8.1	11.72	0.0018	2.35E-05
TMED11P	5.63	0.0018	2.35E-05
RP11-256I9.2	3.82	0.0018	2.35E-05
GK5	-9.67	0.0018	2.34E-05
PDLIM1	19.72	0.0018	2.36E-05
U2AF1	4.12	0.0018	2.36E-05
TMEM200A	-10.92	0.0018	2.39E-05
AF129408.17	14.18	0.0018	2.39E-05
MORC4	-8.65	0.0018	2.42E-05
SHROOM4	9.62	0.0018	2.43E-05
DHCR7	-16.91	0.0018	2.44E-05
MIR644A	101.05	0.0018	2.44E-05
MGMT	-28.7	0.0018	2.45E-05
ATP5G3	-4.05	0.0018	2.45E-05
OLFML2B	-9.34	0.0018	2.45E-05
CES3; CES2	-10.53	0.0018	2.47E-05
FAH	-40.33	0.0018	2.48E-05
RP11-362K14.7	-3.83	0.0018	2.48E-05
RP11-165D6.1	41.82	0.0018	2.49E-05
EPHB2	4.2	0.0018	2.49E-05
PLPPR4	-20.37	0.0018	2.49E-05
RP11-69H7.3	39.7	0.0018	2.50E-05
TMEM41A	-4.62	0.0018	2.50E-05

F2RL2	-7.04	0.0018	2.50E-05	
CEP55	3.95	0.0018	2.51E-05	
ARNTL2	4.52	0.0018	2.52E-05	
MED16	-3.94	0.0018	2.53E-05	
RIOK2	-6.22	0.0019	2.54E-05	
CARS2	-18.35	0.0019	2.55E-05	
SLC8A1	-4.87	0.0019	2.56E-05	
AC003088.1	-4.42	0.0019	2.57E-05	
MIR181B1	15.59	0.0019	2.58E-05	
EPDR1	-5.33	0.0019	2.58E-05	
PYROXD2; MIR1287	-6.96	0.0019	2.58E-05	
MN1	-40.61	0.0019	2.58E-05	
AC017006.2	3.99	0.0019	2.62E-05	
PVRL1	5.27	0.0019	2.63E-05	
MIR4659B	12.69	0.0019	2.64E-05	
RHBDD1	-5.56	0.0019	2.65E-05	
BLOC1S5-TXND5	5.99	0.0019	2.65E-05	
IRS1	-3.78	0.0019	2.67E-05	
RP11-435B5.4; TCONS_I2_00002643; BX004987.4	-9.19	0.0019	2.70E-05	
RP11-33I11.2	4.79	0.0019	2.71E-05	
SACM1L	-4.48	0.0019	2.70E-05	
TBC1D17; MIR4750	-5.94	0.0019	2.70E-05	
CH507-254M2.3	5.91	0.0019	2.71E-05	
AATF	4.19	0.0019	2.72E-05	
CTC-510F12.6	4.64	0.0019	2.72E-05	
FZD6	3.65	0.0019	2.73E-05	
Y_RNA	7.71	0.002	2.73E-05	
	Sep-07	-5.43	0.002	2.73E-05
STMN2	-8.12	0.002	2.75E-05	
SHE	11.06	0.002	2.75E-05	
ZMYM4-AS1; RP4-765A10.2	10.26	0.002	2.76E-05	
FAM46A	-9.91	0.002	2.78E-05	
DDAH1	-17.49	0.002	2.80E-05	
Y_RNA	26.29	0.002	2.81E-05	
PANK2	-10.1	0.002	2.81E-05	
SPOCK1	7.53	0.002	2.81E-05	
RP11-492I21.1	4.96	0.002	2.81E-05	
LYST	-3.99	0.002	2.83E-05	
MAFIP; TEKT4P2	-27.89	0.002	2.83E-05	
CD46	-8.26	0.002	2.83E-05	
MCOLN1	-7.53	0.002	2.83E-05	
LBR	4.73	0.002	2.85E-05	

SHANK3	4.58	0.002	2.85E-05
CYP7B1	-11.95	0.002	2.85E-05
CTD-3149D2.4	4.05	0.002	2.86E-05
RPS29P22	7.87	0.002	2.87E-05
PPIC	-5.05	0.002	2.88E-05
L3HYPDH	22.55	0.002	2.88E-05
SPDL1	8.9	0.002	2.89E-05
YPEL5	-10.84	0.002	2.88E-05
ACAA1	-96.03	0.002	2.89E-05
HMGB2	9.45	0.002	2.89E-05
IFIH1	-6.76	0.002	2.90E-05
CH17-80A12.1	5.54	0.002	2.90E-05
NR3C1	-40.25	0.002	2.91E-05
HGSNAT	-23.44	0.002	2.91E-05
EGFR	-13.4	0.002	2.92E-05
TMEFF1	-19.35	0.002	2.92E-05
BACE1	-4.08	0.002	2.93E-05
PEX19	-9.29	0.002	2.92E-05
RP11-1151B14.4	-26.39	0.002	2.93E-05
EZR	11.5	0.002	2.94E-05
SLC1A2	-12.15	0.002	2.94E-05
PTGS2	-3.77	0.002	2.94E-05
GGCT	6.47	0.002	2.96E-05
SNORA33	16.88	0.002	2.96E-05
KCNJ8	-4.3	0.002	2.96E-05
TIE1	20.08	0.002	2.97E-05
BORCS7-ASMT	-12.57	0.0021	2.97E-05
FBXO32	-6.35	0.0021	3.01E-05
C15orf59	-4.77	0.0021	3.01E-05
PIK3R1	-11.94	0.0021	3.03E-05
C15orf38-AP3S2	-6.34	0.0021	3.03E-05
TCF3	4.1	0.0021	3.04E-05
SLC39A6	-14.75	0.0021	3.05E-05
KLHL4	17.11	0.0021	3.05E-05
TM6SF1	7.58	0.0021	3.09E-05
RAF1	-3.27	0.0021	3.09E-05
NSG1; D4S234E	5.94	0.0021	3.10E-05
NUP88	5.02	0.0021	3.11E-05
ELK3	4.57	0.0021	3.11E-05
LYAR	7.85	0.0021	3.11E-05
PSMD12	3.88	0.0021	3.12E-05
HPS3	-5.13	0.0021	3.13E-05

BAALC	-10.99	0.0021	3.14E-05
LINC00597	15.09	0.0021	3.14E-05
CTB-13F3.1	13.72	0.0021	3.14E-05
SNORD14A	20.73	0.0021	3.15E-05
CCNB2	29.13	0.0021	3.15E-05
KIAA1549L	8.08	0.0021	3.16E-05
KRT18P53	4.97	0.0021	3.17E-05
SUZ12P1	5.54	0.0021	3.17E-05
snoZ278	-4.47	0.0021	3.19E-05
NFASC	-29.58	0.0022	3.21E-05
MMAB	-18.53	0.0022	3.22E-05
ARID5B	-54.9	0.0022	3.21E-05
NR3C2	4.99	0.0022	3.24E-05
EIF2AK2	-4.26	0.0022	3.25E-05
RP11-70L8.5	7.08	0.0022	3.25E-05
FAM65B	-3.44	0.0022	3.27E-05
CCDC18-AS1	-3.99	0.0022	3.27E-05
USE1	-7.53	0.0022	3.27E-05
RP13-638C3.4	15.62	0.0022	3.28E-05
ARMCX3	-20.62	0.0022	3.28E-05
GCLM	4.84	0.0022	3.28E-05
UPF3B	3.23	0.0022	3.29E-05
UBA3	-4.9	0.0022	3.30E-05
TMEM38B	-3.9	0.0022	3.30E-05
TCP11L1	-4.9	0.0022	3.30E-05
PPIE	-9.24	0.0022	3.32E-05
ITGB3	8.68	0.0022	3.37E-05
CIR1	-6.27	0.0022	3.37E-05
CBR3	-8.73	0.0022	3.37E-05
MGST1	-26.76	0.0022	3.38E-05
TNIK	8.65	0.0023	3.41E-05
KIFAP3	-4.63	0.0023	3.42E-05
PQLC2	-5.58	0.0023	3.42E-05
SYAP1	-7.47	0.0023	3.44E-05
ANXA1	-5.8	0.0023	3.45E-05
CCNG2	-3.99	0.0023	3.47E-05
SPAG5	8.41	0.0023	3.48E-05
LOC645166; RP11-14N7.2	-10.35	0.0023	3.48E-05
VRK1	10.6	0.0023	3.49E-05
GRN	-33.85	0.0023	3.49E-05
NTM	-18.15	0.0023	3.50E-05
MSC	-9.28	0.0023	3.51E-05

FKBP9P1	-21.84	0.0023	3.51E-05
SERTAD4-AS1	7.17	0.0023	3.53E-05
TPM4	-5.13	0.0023	3.54E-05
PLBD2	-7.78	0.0023	3.54E-05
ANXA5	-4.75	0.0023	3.56E-05
NOVA1	-10.2	0.0023	3.56E-05
RP4-781B1.5	-19.57	0.0023	3.56E-05
TSIX	-93.14	0.0023	3.57E-05
RP11-927P21.1	5.7	0.0023	3.59E-05
CPNE2	6.51	0.0023	3.60E-05
RP11-351I21.11	-5.4	0.0023	3.61E-05
TMBIM6	-3.71	0.0023	3.61E-05
RP11-218F10.3	12.24	0.0023	3.62E-05
CCRL2	10.71	0.0023	3.62E-05
PIGT	-11.22	0.0023	3.62E-05
FARP1; MIR3170	-11.02	0.0023	3.63E-05
KRT34	-7.02	0.0024	3.65E-05
LOC101927884; AC007099.1	8.7	0.0024	3.66E-05
ZNF385A	-10.46	0.0024	3.66E-05
CSTB	-5.62	0.0024	3.73E-05
SELENBP1	-5.64	0.0024	3.73E-05
CTD-2349P21.12	4.43	0.0024	3.75E-05
RP11-261C10.5	4.26	0.0024	3.75E-05
TNNI3K	-3.47	0.0024	3.75E-05
RMND1	-3.73	0.0024	3.76E-05
RP11-423E7.2	4.9	0.0024	3.77E-05
KLHDC1	-6.93	0.0024	3.77E-05
FZD4	9.49	0.0024	3.79E-05
NDUFV1	-7.84	0.0024	3.79E-05
SEMA6B	15.7	0.0024	3.80E-05
LIG4	3.7	0.0024	3.80E-05
BTN3A2	-24.24	0.0024	3.80E-05
RALGAPA2	19.26	0.0024	3.80E-05
PKIA-AS1	12.25	0.0024	3.81E-05
TMEM65	3.08	0.0024	3.81E-05
GPSM2	-5.65	0.0024	3.82E-05
GREM1	-11.57	0.0024	3.83E-05
GABARAP	-25.68	0.0024	3.83E-05
FDPS	-13.84	0.0024	3.85E-05
IRF9	-24.48	0.0024	3.85E-05
PRCP	-25.12	0.0024	3.85E-05
PERP	-8.14	0.0024	3.86E-05

CCDC102B	-22.66	0.0024	3.87E-05
ALX1	-6.42	0.0024	3.88E-05
RNU6-1127P	5.16	0.0024	3.88E-05
TRPC6	-31.97	0.0024	3.88E-05
MX2	-6.69	0.0024	3.89E-05
LOC79999; LOC388436; AC007952.6	9.54	0.0025	3.92E-05
PRDM1	-6.41	0.0025	3.93E-05
KRTAP1-5	-120.34	0.0025	3.93E-05
MDM2	-4.45	0.0025	3.95E-05
GRINA	-59.44	0.0025	3.95E-05
GLI3	-7.07	0.0025	3.98E-05
ATP2B1	-44.76	0.0025	3.98E-05
PCOLCE2	-6.17	0.0025	3.99E-05
CCND2	-29.93	0.0025	3.99E-05
SLC7A11	10.15	0.0025	4.00E-05
DHCR24	-11.19	0.0025	4.00E-05
PKIA	8.35	0.0025	4.01E-05
GNGT2	5.61	0.0025	4.03E-05
ERCC5	-5.37	0.0025	4.03E-05
DNAJC19P5	3.33	0.0025	4.03E-05
RRM2B	-5.68	0.0025	4.05E-05
AMFR	-4.98	0.0025	4.07E-05
SFXN3	-83.08	0.0025	4.09E-05
MICU1	-9.66	0.0025	4.10E-05
PARP3	-8.83	0.0025	4.11E-05
AP000695.4	8.44	0.0025	4.12E-05
RP11-498C9.16	34.1	0.0026	4.14E-05
HERC2P2	12.78	0.0026	4.14E-05
RP11-160E2.11	4.96	0.0026	4.16E-05
GATA6	3.65	0.0026	4.16E-05
ARHGAP1	-15.11	0.0026	4.15E-05
RNU2-58P	12.03	0.0026	4.17E-05
ABCA6	-11.73	0.0026	4.17E-05
GBP1	-11.34	0.0026	4.20E-05
RP11-115J23.1	9.14	0.0026	4.20E-05
ADSS	5.01	0.0026	4.21E-05
STEAP3	-6.52	0.0026	4.21E-05
CALM3	-16.93	0.0026	4.21E-05
PPARD	-8.72	0.0026	4.23E-05
ASPA	-8.54	0.0026	4.23E-05
IDS	-7.47	0.0026	4.24E-05
TRMT10C	6.13	0.0026	4.28E-05

SVEP1	-28.45	0.0026	4.28E-05
CHD1	8.46	0.0026	4.30E-05
RP1-20B11.2	6.12	0.0026	4.31E-05
TMEM167B	-5.73	0.0027	4.37E-05
DIAPH3	4.98	0.0027	4.42E-05
RN7SL370P	13.49	0.0027	4.43E-05
ZNF521	8.53	0.0027	4.43E-05
NARF	14.56	0.0027	4.43E-05
SNX17	-6.46	0.0027	4.44E-05
ZNF558	-8.42	0.0027	4.44E-05
LOC101928034; S100A3	-5.19	0.0027	4.44E-05
SERPIND1	21.75	0.0027	4.45E-05
DOCK4	66.52	0.0027	4.46E-05
MTX3	-13.97	0.0027	4.47E-05
RNU11-2P	4.16	0.0027	4.47E-05
NR1H2	-4.91	0.0027	4.47E-05
BSCL2	-54.55	0.0027	4.47E-05
VAMP3	-12.15	0.0027	4.48E-05
Metazoa_SRP	3.95	0.0027	4.49E-05
DDX50	-3.74	0.0027	4.49E-05
PCED1A	-5.61	0.0027	4.50E-05
HIST2H2AA3; HIST2H2AA4	-53.84	0.0027	4.50E-05
PGM1	-5.52	0.0027	4.52E-05
GPR108; MIR6791	-22.03	0.0027	4.53E-05
CD151	-56.13	0.0027	4.53E-05
STXBP6	-9.34	0.0027	4.54E-05
MLF2	-18.2	0.0027	4.54E-05
ALKBH6	-13.12	0.0027	4.60E-05
ZNF713	4.55	0.0027	4.60E-05
MALL	8.18	0.0028	4.63E-05
BAG2	-6.99	0.0028	4.65E-05
DAB2	-7.79	0.0028	4.65E-05
Y_RNA	4.66	0.0028	4.66E-05
LSM14A	3.84	0.0028	4.67E-05
FKBP9	-51.43	0.0028	4.67E-05
PTCHD3P1	3.52	0.0028	4.69E-05
COPS8	-5.72	0.0028	4.71E-05
LPXN	-16.15	0.0028	4.71E-05
MGST3	-8.76	0.0028	4.72E-05
FABP5	38.05	0.0028	4.73E-05
ARL2	-98.39	0.0028	4.74E-05
TCONS_00006568	10.95	0.0028	4.74E-05

HIST1H2AC	-34.24	0.0028	4.74E-05
TCTA	-9.02	0.0028	4.75E-05
ETHE1	-45.56	0.0028	4.75E-05
RP11-16C1.2	3.42	0.0028	4.78E-05
MRVI1-AS1	-4.21	0.0028	4.80E-05
IFT57	-4.51	0.0028	4.80E-05
CDKN1B	-9.6	0.0028	4.80E-05
OSMR	-10.07	0.0028	4.82E-05
CBX5P1	4.5	0.0028	4.84E-05
SNORD6	15.42	0.0028	4.85E-05
ZDHHC13	6.65	0.0028	4.85E-05
NOX4	5.94	0.0029	4.86E-05
MOCOS	-3.29	0.0029	4.89E-05
CCNDBP1	-5.61	0.0029	4.91E-05
DOCK10	4.34	0.0029	4.92E-05
RP11-642D21.1	7.11	0.0029	4.98E-05
RP11-736K20.4; RP11-736K20.5	5.36	0.0029	4.98E-05
RPL23AP7	-7.94	0.0029	5.00E-05
AGPAT5	10.34	0.0029	5.00E-05
ISCU	-5.02	0.0029	5.01E-05
FHL1	-9.24	0.0029	5.02E-05
RP11-799B12.1	-129.6	0.0029	5.05E-05
PPFIBP1	5.39	0.0029	5.06E-05
RP11-243J16.7	7.8	0.0029	5.08E-05
RBM12; CPNE1	-13.94	0.0029	5.08E-05
NFIL3	-7.33	0.0029	5.09E-05
TPP1	-68.74	0.0029	5.09E-05
TSPYL2	-3.64	0.0029	5.09E-05
DNAJB11	4.61	0.003	5.10E-05
P4HA1	-3.52	0.003	5.15E-05
RP3-508I15.19; RP3-508I15.18	4.22	0.003	5.17E-05
YARS2	21.45	0.003	5.19E-05
RP11-697E22.1	20.53	0.003	5.18E-05
CCL23	5.8	0.003	5.18E-05
MYADM	-13.67	0.003	5.19E-05
RNU4-9P	4.22	0.003	5.19E-05
PRDX5	-4.38	0.003	5.21E-05
RUFY3	-6.17	0.003	5.21E-05
SBDSP1	-5.62	0.003	5.22E-05
SERPINB2	-21.64	0.003	5.22E-05
BCL6	-5.94	0.003	5.26E-05
LARP6	-5.67	0.003	5.27E-05

TBX15	-9.89	0.003	5.28E-05
RP11-100E13.1	-31.83	0.003	5.28E-05
ZNF253	-4	0.003	5.31E-05
MANSC1	4.09	0.003	5.33E-05
CEMIP	-247.87	0.003	5.34E-05
BCAT1	3.8	0.003	5.35E-05
TRIOBP; NOL12	-26.83	0.003	5.36E-05
LOC101929340; RP11-677M14.3	20.89	0.003	5.36E-05
AQP11	-4.44	0.0031	5.39E-05
SHISA5	-91.01	0.0031	5.40E-05
PRKX	8.2	0.0031	5.40E-05
PODXL	22.98	0.0031	5.42E-05
HIST2H2AA4; HIST2H2AA3	-40.48	0.0031	5.46E-05
ZFP36L2	-6.5	0.0031	5.46E-05
RPL21P123	5.15	0.0031	5.48E-05
ALDH6A1	-3.56	0.0031	5.50E-05
IFI27L2	-10.34	0.0031	5.49E-05
SDHC	-37.45	0.0031	5.52E-05
FITM2	-5.59	0.0031	5.54E-05
UGDH	-4.6	0.0031	5.55E-05
PIGL	15.75	0.0031	5.56E-05
RASGRP3	6.81	0.0031	5.57E-05
CMIP	4.4	0.0031	5.57E-05
SAAL1	9.16	0.0031	5.59E-05
RAD23B	-9.94	0.0031	5.60E-05
ATAD2B	3.37	0.0032	5.63E-05
Y_RNA	8.91	0.0032	5.64E-05
PHLDA1	-6.38	0.0032	5.69E-05
RP11-307B6.3	-5.4	0.0032	5.70E-05
FRMD6	-6.33	0.0032	5.70E-05
RPS26P21	11.39	0.0032	5.73E-05
Y_RNA	43.42	0.0032	5.74E-05
PAF1	-3.98	0.0032	5.74E-05
ELOF1	-6.08	0.0032	5.77E-05
ARHGEF28	3.98	0.0032	5.78E-05
RP11-667K14.9	8.51	0.0032	5.79E-05
RAB31	-4.17	0.0032	5.84E-05
NKRF	5.67	0.0032	5.84E-05
RNA5SP217	22.03	0.0033	5.88E-05
LOC101930100; bP-21264C1.2	-3.19	0.0033	5.94E-05
MYL5	-12.16	0.0033	5.95E-05
LSG1	3.74	0.0033	5.96E-05

RHOBTB3	-18.98	0.0033	5.97E-05
ACAT2	-11.54	0.0033	5.97E-05
ETS1	7.74	0.0033	5.98E-05
RN7SL629P	423.93	0.0033	6.01E-05
MBNL2	18.51	0.0033	6.03E-05
WBP1	-9.09	0.0033	6.04E-05
CYB5D2	-27.07	0.0033	6.05E-05
FAM72B	4.28	0.0033	6.06E-05
AIG1	-6.2	0.0033	6.08E-05
KSR1	3.23	0.0033	6.09E-05
SMARCC1	8.73	0.0033	6.10E-05
DTNA	-5	0.0034	6.12E-05
ACTB	-566.19	0.0034	6.12E-05
COMMD4	-170.63	0.0034	6.12E-05
LIMS3-LOC440895	7.45	0.0034	6.15E-05
OLFML1	-14.24	0.0034	6.15E-05
HSD17B7	-10.13	0.0034	6.16E-05
PLEKHG1	5.1	0.0034	6.18E-05
LINC00705	10.34	0.0034	6.21E-05
MIR3682	5.25	0.0034	6.21E-05
Y_RNA	4.89	0.0034	6.21E-05
TRNP1	-7.66	0.0034	6.24E-05
SLC16A1	4.38	0.0034	6.26E-05
PK2	-12.38	0.0034	6.26E-05
PDLIM5	8.04	0.0034	6.30E-05
LRRC41	-7.94	0.0034	6.30E-05
SEMA3E	-4.22	0.0034	6.33E-05
RP11-291I6.2	3.16	0.0034	6.34E-05
CAMK1D	-6.34	0.0034	6.36E-05
COL1A1	-11.63	0.0034	6.36E-05
GALNT1	29.14	0.0034	6.37E-05
RP11-552M6.1	5.1	0.0034	6.37E-05
MSANTD3	-8.35	0.0035	6.39E-05
CNPY3	-14.67	0.0035	6.41E-05
GADD45A	-14.91	0.0035	6.41E-05
ERGIC3	-59.52	0.0035	6.41E-05
OAZ1	-313.41	0.0035	6.43E-05
AC253572.1	-5.8	0.0035	6.45E-05
HHLA3	-6.78	0.0035	6.45E-05
RP11-54A9.1	7.64	0.0035	6.50E-05
LDB1	-13.01	0.0035	6.49E-05
AKR1B1	-419.11	0.0035	6.50E-05

SLC29A1	6.29	0.0035	6.50E-05
ITPA	-69.37	0.0035	6.55E-05
PPL	-134.5	0.0035	6.55E-05
RP11-296K13.4	5.82	0.0035	6.58E-05
CDC42EP2	-3.37	0.0035	6.59E-05
USP12	3.4	0.0035	6.63E-05
UBA7; MIR5193	-3.96	0.0035	6.65E-05
KITLG	-6.87	0.0035	6.64E-05
GYPC	-17.05	0.0036	6.67E-05
PDE7B	-3.9	0.0036	6.68E-05
RGL1	-3.76	0.0036	6.72E-05
POLE2	27.22	0.0036	6.73E-05
AC092839.4	6.38	0.0036	6.75E-05
CLCN7	-4.43	0.0036	6.75E-05
ACSL4	-6.41	0.0036	6.74E-05
MARCKSL1	5.06	0.0036	6.77E-05
Y_RNA	5.31	0.0036	6.82E-05
SNRPGP4	5.99	0.0036	6.83E-05
CDKN2C	-5.9	0.0036	6.84E-05
ACYP2	-14.9	0.0036	6.87E-05
SNRPN; SNURF; SNORD107; PWARSN	-8.97	0.0036	6.89E-05
RP13-1039J1.3	8.92	0.0036	6.89E-05
ATF6	3.78	0.0036	6.90E-05
C15orf57; MRPL42P5	-5.56	0.0037	6.96E-05
CYSTM1	-14.06	0.0037	6.96E-05
STEAP1	-12.49	0.0037	7.03E-05
SPTLC2	4.82	0.0037	7.03E-05
RP13-514E23.2	11.38	0.0037	7.05E-05
LINC01410	-6.85	0.0037	7.06E-05
FAM129A	-97.5	0.0037	7.06E-05
MICAL1	-4.42	0.0037	7.07E-05
EHBP1	-9.48	0.0037	7.07E-05
ARFGAP2	-3.33	0.0037	7.08E-05
TCEAL4	-7.98	0.0037	7.08E-05
SPRED2	-10.98	0.0037	7.09E-05
PDHB	-12.52	0.0037	7.13E-05
RP11-435D7.3	6.52	0.0037	7.15E-05
ARRDC4	-6.08	0.0037	7.17E-05
CORO1C	-16.18	0.0037	7.17E-05
ANXA6	-101.16	0.0037	7.16E-05
GHR	-5.1	0.0037	7.20E-05
CDKL2	-18.21	0.0037	7.21E-05

C1orf112	4.42	0.0037	7.22E-05
MYEF2	5.38	0.0037	7.23E-05
TMEM263	-9.08	0.0037	7.23E-05
MIR103B2	9.96	0.0038	7.27E-05
NRSN2	-30.25	0.0038	7.29E-05
WDR83OS	-49.19	0.0038	7.29E-05
SYVN1	-4.39	0.0038	7.30E-05
ATAD5	4.26	0.0038	7.31E-05
TUBD1	3.15	0.0038	7.31E-05
MIR181B2	3.24	0.0038	7.32E-05
C4orf36	-3.21	0.0038	7.33E-05
ACKR3	-5.25	0.0038	7.36E-05
TPST1	-5.55	0.0038	7.36E-05
ELMO2	-3.64	0.0038	7.39E-05
C14orf1	-26.33	0.0038	7.39E-05
RNU6-842P	15.16	0.0038	7.40E-05
U6	14.66	0.0038	7.41E-05
WARS	7.24	0.0038	7.41E-05
KDEL1	-8.75	0.0038	7.45E-05
CCDC92	-9.74	0.0038	7.46E-05
SCN2A	-7.79	0.0038	7.48E-05
P4HA2	-20.97	0.0038	7.49E-05
RP11-265D17.2	4.8	0.0038	7.50E-05
EVI5	18.45	0.0038	7.52E-05
MSH2	3.34	0.0038	7.51E-05
ARHGAP11A	10.09	0.0038	7.53E-05
RP11-588H23.3	20.28	0.0039	7.58E-05
PVT1; MIR1204	6.91	0.0039	7.58E-05
NUDT4P1; NUDT4P2; NUDT4	6.71	0.0039	7.59E-05
NUDT4; NUDT4P1	6.71	0.0039	7.59E-05
WDFY3-AS2	-9.72	0.0039	7.59E-05
PKP2	15.15	0.0039	7.60E-05
AC007098.1	-6.19	0.0039	7.61E-05
GUK1	-101.55	0.0039	7.62E-05
CCND1	-350.93	0.0039	7.65E-05
ATP6V0E1	-7.05	0.0039	7.69E-05
LOC100506691	9.69	0.0039	7.71E-05
DDR2	-12.64	0.0039	7.74E-05
IFNGR1	-3.2	0.0039	7.77E-05
OSER1-AS1	-6.49	0.0039	7.78E-05
HNMT	-13.15	0.0039	7.78E-05
RP11-434H6.7	4.46	0.0039	7.80E-05

CREBL2	-4.02	0.0039	7.81E-05
COQ10B	-7.17	0.0039	7.82E-05
RP11-548H3.1	15.47	0.0039	7.83E-05
AIFM2	-3.93	0.0039	7.84E-05
AC069063.2	5.22	0.0039	7.86E-05
BTN3A3	-4.28	0.0039	7.88E-05
GLRB	-6.21	0.0039	7.87E-05
APOL2	-4.17	0.0039	7.89E-05
SDF4	-16.36	0.0039	7.89E-05
CRLF3	4.52	0.0039	7.90E-05
Y_RNA	8.24	0.004	7.92E-05
COG7	-3.19	0.004	7.92E-05
PHF1	-9.08	0.004	7.95E-05
HMGCL	-7.8	0.004	7.97E-05
SH3KBP1	-10.67	0.004	7.97E-05
SNHG23; AL132709.5	-3.52	0.004	7.98E-05
CIZ1	-12.92	0.004	7.98E-05
RP13-753N3.3	17.05	0.004	7.99E-05
AC100830.4	4.22	0.004	8.01E-05
ST3GAL6-AS1	5.99	0.004	8.03E-05
TBC1D14	-4.62	0.004	8.06E-05
NDNF	-13.41	0.004	8.10E-05
RP11-756P10.6	4.89	0.004	8.13E-05
HMGB1	3.62	0.004	8.13E-05
MBD2	4.25	0.004	8.13E-05
KLF4	-5.49	0.004	8.13E-05
RP13-20L14.10	3.11	0.004	8.16E-05
TM7SF2	-10.19	0.004	8.17E-05
SLX1A; SLX1B; SLX1A-SULT1A3; SLX1B-SULT1A4; SULT1A3	5.17	0.004	8.18E-05
DKK1	-3.36	0.004	8.19E-05
RHOQP2	-4.22	0.0041	8.23E-05
WFDC21P	-11.42	0.0041	8.23E-05
LOC645166; RP11-14N7.2	-7.82	0.0041	8.27E-05
LRRC23	-3.52	0.0041	8.29E-05
THUMPD3-AS1	7.24	0.0041	8.31E-05
RP11-798M19.3	4.98	0.0041	8.34E-05
MAPK3	-31.23	0.0041	8.38E-05
MVP; PAGR1	-19.7	0.0041	8.39E-05
RP11-109E12.1	-5.73	0.0041	8.41E-05
CENPE	4.95	0.0041	8.44E-05
CDC27	4.43	0.0041	8.45E-05
NANOGP5	3.14	0.0042	8.49E-05

MANBA	-13.84	0.0042	8.49E-05
PDLIM2	-3.07	0.0042	8.50E-05
CDC37L1	-4.91	0.0042	8.53E-05
RABAC1	-106.55	0.0042	8.53E-05
BPTF	10.39	0.0042	8.56E-05
HDAC5	-6.42	0.0042	8.58E-05
RP11-17J14.2	3.66	0.0042	8.61E-05
TCEB2	-6.64	0.0042	8.62E-05
GNB5	-5.33	0.0042	8.66E-05
HACD3	-4.03	0.0042	8.66E-05
THUMPD3	-3.79	0.0042	8.67E-05
STX10	-7.17	0.0042	8.68E-05
CSTA	-28.53	0.0042	8.71E-05
FKBP5	6.47	0.0042	8.73E-05
LDHA	-12.22	0.0042	8.74E-05
PPP1R11	-13.39	0.0043	8.77E-05
CAPZB	-27.94	0.0043	8.78E-05
SMPD1	-18.83	0.0043	8.79E-05
RP11-745L13.2	-4.79	0.0043	8.80E-05
PINK1; MIR6084	-5.9	0.0043	8.81E-05
TMEM9B	-6.27	0.0043	8.80E-05
SUMF2	-7.95	0.0043	8.81E-05
SLC35C2	-11.11	0.0043	8.81E-05
TNC	-13.29	0.0043	8.82E-05
ACKR1	3.38	0.0043	8.84E-05
EBLN2	7.83	0.0043	8.88E-05
OAT	-5.51	0.0043	8.89E-05
FAM195B	-13.84	0.0043	8.91E-05
XPO5	3.07	0.0043	8.93E-05
BATF3	-12.64	0.0043	8.96E-05
HDDC2	-18.62	0.0043	8.96E-05
SERAC1	-4.14	0.0043	9.00E-05
ZBTB4	-3.16	0.0043	9.02E-05
MIR7641-2; RNA5SP161; AC092627.1	4.18	0.0043	9.05E-05
RNU6-223P	15.53	0.0043	9.06E-05
TK2	-11.33	0.0043	9.06E-05
RP11-664I21.6	5.92	0.0044	9.09E-05
FRMD4B	4.16	0.0044	9.07E-05
ZNF563	-2.83	0.0044	9.08E-05
UBC	-8.01	0.0044	9.08E-05
TLL5	8.43	0.0044	9.10E-05
ARID3A	-4.56	0.0044	9.10E-05

RNU4ATAC11P	6.24	0.0044	9.12E-05
C19orf70	-89.5	0.0044	9.19E-05
SLC25A13	3.38	0.0044	9.20E-05
FAM134B	-19.34	0.0044	9.20E-05
ATF3	-4.5	0.0044	9.21E-05
RAB1B	-13.15	0.0044	9.24E-05
TSNAX	-4.29	0.0044	9.30E-05
PEPD	-109.61	0.0044	9.33E-05
ZNF350	-3.59	0.0044	9.34E-05
ADAM33	-5.7	0.0044	9.35E-05
RP11-349F21.4	7.66	0.0044	9.37E-05
GAS6	-29.05	0.0044	9.37E-05
RP11-946L16.2	3.53	0.0045	9.42E-05
U2AF1L4	-6.64	0.0045	9.43E-05
DHRS7	-7.82	0.0045	9.43E-05
SNORD71	61.46	0.0045	9.48E-05
RNU6-1190P	36.6	0.0045	9.47E-05
AP2M1	-21.67	0.0045	9.47E-05
TP53I11	-33.13	0.0045	9.48E-05
R3HDM2	-4.66	0.0045	9.54E-05
CDC14B	-9.71	0.0045	9.55E-05
SRSF6	-3.54	0.0045	9.57E-05
CLEC1A	4.73	0.0045	9.59E-05
COL4A3BP	-6.19	0.0045	9.59E-05
PPP4R4	-9.23	0.0045	9.59E-05
PPIEL	-5.43	0.0045	9.62E-05
NKIRAS1	-5.19	0.0045	9.63E-05
EIF4B	-6.96	0.0046	9.70E-05
PGM2	2.73	0.0046	9.74E-05
BLVRB	-17.06	0.0046	9.73E-05
S1PR1	13.34	0.0046	9.76E-05
TPM1	3.9	0.0046	9.78E-05
ARF4	-7.2	0.0046	9.79E-05
MYO10	9.53	0.0046	9.85E-05
PREPL	-11.02	0.0046	9.86E-05
NOL11	5.89	0.0046	9.87E-05
POLR2L	-11	0.0046	9.87E-05
VASN	-6.94	0.0046	9.88E-05
Y_RNA	15.62	0.0046	9.94E-05
TGFB2; TGFB2-OT1	27.73	0.0047	0.0001
SACS	17.83	0.0047	0.0001
DCTN4	-3.82	0.0047	0.0001

RAB3B	-9.29	0.0047	0.0001
GIMAP8	5.13	0.0047	0.0001
GSG1	-5	0.0047	0.0001
UBXN6	-8.48	0.0047	0.0001
PTEN	-3.44	0.0047	0.0001
CTBP1	-4.17	0.0047	0.0001
SMARCAD1	5.57	0.0047	0.0001
TNFRSF10A	2.84	0.0047	0.0001
TWF1	-5.18	0.0047	0.0001
RP4-678D15.1	-37.17	0.0047	0.0001
LAPTM4A	-5.24	0.0047	0.0001
PTK7	-4.8	0.0047	0.0001
ATRAID	-13.91	0.0047	0.0001
CTD-2576N18.1	5.95	0.0048	0.0001
CNPPD1	-3.53	0.0048	0.0001
ANXA11	-5.2	0.0048	0.0001
FBXL17	-5.81	0.0048	0.0001
GBE1	-5.16	0.0048	0.0001
PMF1; PMF1-BGLAP; BGLAP	-3.77	0.0048	0.0001
RP11-527J8.1	3.51	0.0048	0.0001
ASNA1	-15.03	0.0048	0.0001
ADAMTS6	3.32	0.0048	0.0001
NUDCD1	9.96	0.0048	0.0001
RNU6-1195P	5.84	0.0048	0.0001
CARNMT1	-3.45	0.0048	0.0001
LOC100506990	-3.25	0.0048	0.0001
APBB2	5	0.0048	0.0001
CCDC169-SOHLH2	-3.14	0.0048	0.0001
ATP6V1F	-43.97	0.0048	0.0001
ANK2	-476.57	0.0048	0.0001
C21orf59	3.04	0.0048	0.0001
EHD2	-13.85	0.0048	0.0001
FAM27B	4.64	0.0048	0.0001
RP11-421E14.2	4.97	0.0048	0.0001
ADAMTS2	-8	0.0048	0.0001
SEMA3A	-15.88	0.0048	0.0001
H2AFJ	-40.99	0.0048	0.0001
SMG1P1	2.61	0.0048	0.0001
CLTB	-33.15	0.0049	0.0001
ATP6V0D1	-25.51	0.0049	0.0001
SUV39H2	4.99	0.0049	0.0001
EID1	-17.35	0.0049	0.0001

SRSF3	2.8	0.0049	0.0001
SMIM13	5.18	0.0049	0.0001
QPCT	-6.32	0.0049	0.0001
VCAN	-45.21	0.0049	0.0001
RP11-24N18.1	33.21	0.0049	0.0001
AP2A2	-6.15	0.0049	0.0001
RAB3IP	8.49	0.0049	0.0001
ATG4B	-2.72	0.0049	0.0001
SIGMAR1	-7.47	0.0049	0.0001
CYB5A	-7.86	0.0049	0.0001
REV3L	-12.15	0.0049	0.0001
ZER1	-3.35	0.0049	0.0001
S100A13	-6.98	0.0049	0.0001
RP11-327O17.2	6.07	0.005	0.0001
DDAH2	-28.29	0.005	0.0001
PPM1M	-7.8	0.005	0.0001
ZNF22	5.41	0.005	0.0001
TACSTD2	3.86	0.005	0.0001
LZTFL1	-4.84	0.005	0.0001
GPI	-11.89	0.005	0.0001
TIMM17B	-25.59	0.005	0.0001
TESK1; MIR4667	-66.54	0.005	0.0001
CTD-2033D15.3	14.54	0.005	0.0001
TADA3	-9.24	0.005	0.0001
PEX2	-5.1	0.005	0.0001
RP11-374M1.5	3.81	0.005	0.0001
GCOM1; MYZAP; POLR2M	2.81	0.005	0.0001
VIM	-6.95	0.005	0.0001
HSPE1P13	4.69	0.005	0.0001
RP11-229P13.22	3.43	0.005	0.0001
SLC35B2; MIR4647	-27.68	0.005	0.0001
GDI1	-11.06	0.005	0.0001
PTRH2	11.93	0.005	0.0001
POLR3G	8.52	0.005	0.0001
TMCO3	-7.09	0.005	0.0001
RP11-290L1.3	-5.38	0.005	0.0001
PLA2G15	-17.91	0.005	0.0001
LAPTM5	26.59	0.005	0.0001
KIF11	2.63	0.0051	0.0001
DGCR6	-3.68	0.0051	0.0001
UQCC1	-6.94	0.0051	0.0001
RN7SL233P	5.06	0.0051	0.0001

RPS6KA1	4.62	0.0051	0.0001
RPS6KA1	4.62	0.0051	0.0001
RP11-589C21.6	17.62	0.0051	0.0001
NFIB	28.15	0.0051	0.0001
SIPA1L2	4.04	0.0051	0.0001
CHCHD5	-22.2	0.0051	0.0001
HLA-C	-7.14	0.0051	0.0001
MAP2K3	-3.12	0.0051	0.0001
TPX2	6.06	0.0051	0.0001
RP11-802E16.3	4.92	0.0052	0.0001
RNU7-80P	6.46	0.0052	0.0001
MIR4659A	9.26	0.0052	0.0001
SFTA1P	3	0.0052	0.0001
RNLS	-3.45	0.0052	0.0001
FANCM	11.95	0.0052	0.0001
AC012360.6	5.69	0.0052	0.0001
RP11-349F21.3	3.93	0.0052	0.0001
RASEF	-4.82	0.0052	0.0001
IKBKB	-3.17	0.0052	0.0001
MXD4; MIR4800	-3.44	0.0052	0.0001
FAM69A	-5.89	0.0052	0.0001
SAMD4B	-4.09	0.0053	0.0001
FABP5	31.43	0.0053	0.0001
COL4A2-AS1	2.73	0.0053	0.0001
TRIM22	-6.08	0.0053	0.0001
CCK	-169.05	0.0053	0.0001
PCDH1	6.63	0.0053	0.0001
EIF4A2; SNORA63; SNORD2; SNORA4; SNORA81; MIR1248	-3.53	0.0053	0.0001
RNU6-1011P	15.49	0.0053	0.0001
EPHB6	-9.09	0.0053	0.0001
VPS37A	-2.89	0.0053	0.0001
TMEM45A	-11.55	0.0053	0.0001
XYLT1	-4.2	0.0053	0.0001
PYGL	-3.4	0.0053	0.0001
ARFGAP3	-5.86	0.0053	0.0001
GLIS2	-4.28	0.0053	0.0001
M6PR	-8.67	0.0053	0.0001
ANXA7	-10.8	0.0054	0.0001
PRKD1	-4.01	0.0054	0.0001
WNT5B	-2.87	0.0054	0.0001
SELE	5.01	0.0054	0.0001
LAPTM4B	-4.41	0.0054	0.0001

LHX8	-3.82	0.0054	0.0001
PAPSS1	-7.06	0.0054	0.0001
RP11-177G23.2	12.13	0.0054	0.0001
CCNA2	4.2	0.0054	0.0001
NDC1	4.14	0.0054	0.0001
EMC3-AS1	3.6	0.0054	0.0001
SGOL1-AS1	3.82	0.0054	0.0001
PRKAB1	-2.77	0.0054	0.0001
MGAT5	9.33	0.0054	0.0001
H1FO	-5.36	0.0055	0.0001
DCAF7	7.22	0.0055	0.0001
GPX1	-296.53	0.0055	0.0001
ARL2BP	-7.59	0.0055	0.0001
TSPAN13	6.86	0.0055	0.0001
CTU2	2.77	0.0055	0.0001
CCDC149	-4.61	0.0055	0.0001
ZNF585A	-2.98	0.0055	0.0001
PTBP3	5.47	0.0055	0.0001
ZNF561-AS1	-4.38	0.0055	0.0001
EZH2	3.79	0.0055	0.0001
UBE2E2	-7.47	0.0055	0.0001
NUDT7	-3.27	0.0055	0.0001
RNU4ATAC12P	5.14	0.0055	0.0001
TOP1	10.96	0.0055	0.0001
C5orf24	3.98	0.0055	0.0001
TIMP4	-4.14	0.0056	0.0001
HLA-DRA	-13.38	0.0056	0.0001
EFNA1	4.54	0.0056	0.0001
NUP93	2.94	0.0056	0.0001
RAPH1	20.87	0.0056	0.0001
MFAP3	2.99	0.0056	0.0001
ATP8B2	-6.66	0.0056	0.0001
RP11-105C19.1	8.39	0.0056	0.0001
MYOF	-20.19	0.0056	0.0001
GALNT7	9.16	0.0056	0.0001
BAD	-20.8	0.0056	0.0001
VWCE	-5.7	0.0056	0.0001
PPDPF	-13.12	0.0056	0.0001
CYB5R2	-18.77	0.0057	0.0001
C16orf58	-3.15	0.0057	0.0001
TRIM69	-6.14	0.0057	0.0001
TKT	-356.93	0.0057	0.0001

RP11-59E19.4	2.92	0.0057	0.0001
NDUFB7	-20.33	0.0057	0.0001
ZNF814	-5.21	0.0057	0.0001
AP001505.10	2.61	0.0057	0.0001
MIR1206	4.86	0.0057	0.0001
GDE1	-12.28	0.0057	0.0001
POMGNT1	-5.86	0.0057	0.0001
TNNC2	-3.33	0.0058	0.0001
STAM2	-3.81	0.0058	0.0001
NOP56P1	10.56	0.0058	0.0001
MMP16	7.33	0.0058	0.0001
CTD-2302E22.2	2.66	0.0058	0.0001
ORAI3	-11.04	0.0058	0.0001
EDA2R	-11.36	0.0058	0.0001
SNORD114-20	-4.31	0.0058	0.0001
MT3	3.47	0.0058	0.0001
C11orf54	-5.25	0.0058	0.0001
RAB11B	-17.09	0.0058	0.0001
PLEKHA1	3.58	0.0058	0.0001
RP11-305O6.4	17.98	0.0058	0.0001
LOC642852; BX322557.10; LINC00205	3.47	0.0058	0.0001
LINC00882	-3.4	0.0058	0.0001
STXBP1	-6.79	0.0058	0.0001
FAM111B	2.8	0.0058	0.0001
RPGR	3.77	0.0059	0.0001
CHCHD3	-14.85	0.0059	0.0001
IFIT5	-7.33	0.0059	0.0001
FOXO1	4.56	0.0059	0.0001
CBFB	3.38	0.0059	0.0001
TRAPPC1	-27.26	0.0059	0.0001
VAMP4	-12.58	0.0059	0.0001
TBC1D1	4.07	0.0059	0.0001
PNMA2	3.53	0.0059	0.0001
Y_RNA	3.3	0.0059	0.0001
TPRG1L	-40.32	0.0059	0.0001
GSTK1	-50.66	0.0059	0.0001
CTD-2562J17.9	3.54	0.0059	0.0001
TDG	3.06	0.0059	0.0001
MAP1A	-17.58	0.0059	0.0001
EOGT	12.39	0.0059	0.0001
DUSP16	3.47	0.0059	0.0001
OSTM1	-5.83	0.006	0.0001

EFCAB1	-2.87	0.006	0.0001
LPCAT3	-4.64	0.006	0.0001
KDELC2	-10.03	0.006	0.0001
LOC101928767; CTD-2341M24.1	-5.57	0.006	0.0001
BICC1	-9.41	0.006	0.0001
RP11-304M2.5	-3.82	0.006	0.0001
NCS1	-15.37	0.0061	0.0001
HIST1H1C	-5.33	0.0061	0.0001
SYPL1	-4.11	0.0061	0.0001
GPX8	-3.78	0.0061	0.0001
RP11-411A19.5	7.71	0.0061	0.0001
CTSF	-4.81	0.0061	0.0002
FXR2	-3.16	0.0061	0.0002
AP4M1	-3.51	0.0061	0.0002
FEM1C	-9.4	0.0061	0.0002
SIX1	-3.63	0.0061	0.0002
PINLYP	-6.88	0.0061	0.0002
ALDH1L2	-15.31	0.0061	0.0002
ZNF254	15.35	0.0061	0.0002
TTC8	-9.72	0.0061	0.0002
USF2	-9.72	0.0061	0.0002
DEGS1	-4.74	0.0062	0.0002
ZNF438	8.97	0.0062	0.0002
Y_RNA	4.14	0.0062	0.0002
PEX11B	-5.48	0.0062	0.0002
DCP2	3.04	0.0062	0.0002
TOX	3.35	0.0062	0.0002
RGPD2; RGPD1	4.1	0.0062	0.0002
ALCAM	12.33	0.0062	0.0002
MIR6504	2.69	0.0062	0.0002
DDOST	-4.95	0.0062	0.0002
ZFHX4-AS1	-4	0.0062	0.0002
MTHFD1	-7.12	0.0062	0.0002
RP11-354P11.3	4.45	0.0062	0.0002
MTFR1L	-28.21	0.0062	0.0002
KIF23	5.51	0.0062	0.0002
FZD2	-3.15	0.0062	0.0002
LOC101928370; RP4-575N6.4	7.14	0.0062	0.0002
RP11-222K16.1	2.94	0.0062	0.0002
TXN2	-66.51	0.0063	0.0002
PRIM2	-7.31	0.0063	0.0002
WDR45; PRAF2	-9.41	0.0063	0.0002

FAM231D; LINC00869	-28.89	0.0063	0.0002
PHPT1	-110.6	0.0063	0.0002
NAP1L2	-3.07	0.0063	0.0002
TSC1	-4.08	0.0064	0.0002
B4GALT2	-13.2	0.0064	0.0002
C6orf1	-57.19	0.0064	0.0002
AQP7P2	4.23	0.0064	0.0002
TMEM254	-7.59	0.0064	0.0002
GUCY1B3	-3.54	0.0064	0.0002
LL22NC03-N14H11.1	5.34	0.0064	0.0002
GCNT3	-2.45	0.0064	0.0002
CARD19	-20.81	0.0064	0.0002
ADCK2	-3.18	0.0064	0.0002
ERICH2	-6.87	0.0064	0.0002
EFCAB7; DLEU2L	-2.78	0.0064	0.0002
FRZB	-3.68	0.0064	0.0002
PRKG1	-29.54	0.0064	0.0002
CEP128	3	0.0064	0.0002
ZEB2	-10.47	0.0064	0.0002
UQCR10	-6.87	0.0065	0.0002
ZBTB38	-17.38	0.0065	0.0002
LAMTOR1	-72.93	0.0065	0.0002
ATP6V1D	-9.62	0.0065	0.0002
NIPAL3	-3.32	0.0065	0.0002
CDK2AP1	-4.92	0.0065	0.0002
FKBP2	-9.18	0.0065	0.0002
HMOX1	-16.71	0.0065	0.0002
PCYOX1	-20.59	0.0065	0.0002
SLC25A1	-3.57	0.0065	0.0002
GS1-124K5.11; TCONS_I2_00027397; TCONS_I2_00026657; TCO	-3.97	0.0065	0.0002
IQCG	-3.12	0.0065	0.0002
HEY2	2.98	0.0065	0.0002
ZNF397	-5.15	0.0065	0.0002
RNF167	-6.77	0.0065	0.0002
COPS7A	-30.23	0.0065	0.0002
ETV6	6.19	0.0066	0.0002
RP11-136L23.2	3.94	0.0066	0.0002
RPL36AP33	8.87	0.0066	0.0002
TMEM248	-13.33	0.0066	0.0002
NDEL1	-5.61	0.0066	0.0002
KTN1	6.37	0.0066	0.0002
ARF1; MIR3620	-29.15	0.0066	0.0002

RBBP6	24.69	0.0066	0.0002
UBN1	6.73	0.0066	0.0002
CHMP3	-4.62	0.0067	0.0002
RP11-500C11.3	6.54	0.0067	0.0002
CCT6A	3.18	0.0067	0.0002
LOC645166	-5.24	0.0067	0.0002
MGARP	5.18	0.0067	0.0002
C11orf70	-10.38	0.0067	0.0002
RP11-274H2.3	4.52	0.0067	0.0002
HLA-J	-3.23	0.0067	0.0002
RN7SKP56	3.38	0.0067	0.0002
RNU6-151P	11.21	0.0067	0.0002
AKAP8L	-7.67	0.0068	0.0002
RPS2P1	-3.17	0.0068	0.0002
GALNT14	-4.72	0.0068	0.0002
TGFBR1	-5.23	0.0068	0.0002
CADM3	6.82	0.0068	0.0002
NMT2	5.82	0.0068	0.0002
RNPEP	-7.19	0.0068	0.0002
SCFD2	-13.94	0.0068	0.0002
RP11-384C4.6	4.19	0.0068	0.0002
ADAMTS18	12.11	0.0068	0.0002
HADHB	-6.65	0.0068	0.0002
PAK3	-4.49	0.0068	0.0002
SUCLG2	-31.42	0.0068	0.0002
NPTN	-4.65	0.0068	0.0002
TBC1D20	-3.13	0.0069	0.0002
ELK1	-3.49	0.0069	0.0002
OAS1	-75.43	0.0069	0.0002
RP11-642D21.2	5.29	0.0069	0.0002
ZNHIT1	-16.97	0.0069	0.0002
PLK1	5.07	0.0069	0.0002
PDXK	-70.17	0.0069	0.0002
FBXO5	4.48	0.0069	0.0002
PIAS3	-5.82	0.0069	0.0002
DBP	-5.74	0.0069	0.0002
ASPN	-19.21	0.0069	0.0002
RBPJ	-11.17	0.0069	0.0002
RAB22A	-2.47	0.007	0.0002
YAP1	-17.8	0.007	0.0002
NDRG3	-3.11	0.007	0.0002
HOXB3; HOXB4; MIR10A	5.29	0.007	0.0002

HACD1	-8.59	0.007	0.0002
KIAA0930	-3.45	0.007	0.0002
DCTD	-7.72	0.007	0.0002
DAPK1-IT1; RP11-40C6.3	3.63	0.007	0.0002
RP11-101E13.5	17.1	0.007	0.0002
DYNC1LI1	-4.22	0.007	0.0002
C19orf24	-15.95	0.007	0.0002
DPCD	-6.63	0.007	0.0002
LRRFIP2	-7.55	0.007	0.0002
UXS1	-13	0.007	0.0002
NCSTN	-14.52	0.007	0.0002
DCPS	-9.17	0.007	0.0002
MIR99AHG	6.27	0.007	0.0002
C4orf22	-17.59	0.007	0.0002
MRPL37	-4.59	0.007	0.0002
DRAP1	-11.72	0.0071	0.0002
CTDSP2	-5.51	0.0071	0.0002
RN7SL834P	3.45	0.0071	0.0002
FAM21FP	-3.57	0.0071	0.0002
FAM21A	-11.06	0.0071	0.0002
FTLP2	-13.22	0.0071	0.0002
IFT122	-7.08	0.0071	0.0002
RP11-417L19.6	5.77	0.0071	0.0002
SULT1E1	7.41	0.0071	0.0002
DNAJC8	-8.98	0.0071	0.0002
ZDHHC9	-8.36	0.0071	0.0002
DEFB109P3	-10.62	0.0071	0.0002
MFSD1P1	10.33	0.0071	0.0002
SNX1	-3.08	0.0071	0.0002
HMGCR	-6.33	0.0071	0.0002
HM13; MCTS2P	-11.59	0.0071	0.0002
POLR2E	-11.12	0.0071	0.0002
LOC79999; LOC388436; RP11-744A16.4	7.22	0.0072	0.0002
SNAP25	-2.89	0.0072	0.0002
ABHD14B	-4.37	0.0072	0.0002
AC016549.1	16.48	0.0072	0.0002
CLU; MIR6843	-6.85	0.0072	0.0002
SUZ12P1	2.88	0.0072	0.0002
LA16c-329F2.2	3.8	0.0072	0.0002
CDK1	4.44	0.0072	0.0002
DDX52	3.89	0.0072	0.0002
BTD	-6.45	0.0072	0.0002

	Sep-10			
		-5.32	0.0072	0.0002
DCTN2		-75.73	0.0072	0.0002
DKK3		-7.61	0.0072	0.0002
CEMP1		-2.5	0.0072	0.0002
MYD88		-9.43	0.0072	0.0002
ARHGEF6		-3.63	0.0073	0.0002
SNORD114-21		-7.03	0.0073	0.0002
CCDC47		4.42	0.0073	0.0002
SDC1		-4.1	0.0073	0.0002
DENND2A		-7.3	0.0073	0.0002
CCDC74A		-3.67	0.0073	0.0002
SNORD82		17.28	0.0073	0.0002
CBLN3		-5.53	0.0073	0.0002
MTND5P2		3.05	0.0073	0.0002
SCARNA8		84.64	0.0073	0.0002
EPB41L4A		4.38	0.0073	0.0002
IFI44L		-2.39	0.0073	0.0002
CRCP		-3.53	0.0073	0.0002
PSEN1		-11.08	0.0073	0.0002
ADGRD1		-16.59	0.0074	0.0002
TLL1		-6.61	0.0074	0.0002
TSPAN3		6.13	0.0074	0.0002
NPC2; MIR4709		-6.82	0.0074	0.0002
FGD5		7.11	0.0074	0.0002
RNF114		-10.33	0.0074	0.0002
RNF220		-12.66	0.0074	0.0002
CDCP1		-4.11	0.0074	0.0002
RP11-152N13.16		6.09	0.0074	0.0002
CTD-2047H16.2		4.35	0.0074	0.0002
FAM85A; AC145124.2		-2.9	0.0074	0.0002
ST8SIA1		-22.67	0.0074	0.0002
SCD		-37.3	0.0074	0.0002
ITGB8		3.88	0.0074	0.0002
A4GALT		-2.38	0.0075	0.0002
CH25H		-14.17	0.0075	0.0002
ZNF561		-2.83	0.0075	0.0002
OSTN-AS1; RP11-656G9.3		-4.92	0.0075	0.0002
NDUFA11		-59.97	0.0075	0.0002
MIR5739		4.05	0.0075	0.0002
NDUFA10		4.07	0.0076	0.0002
IL6ST		-3.68	0.0076	0.0002
RP11-256I9.3		3.62	0.0076	0.0002

RP11-388P9.2	3.42	0.0076	0.0002
VEGFC	-3.7	0.0077	0.0002
PLEKHM2	-4.46	0.0077	0.0002
AP000695.6	6.78	0.0077	0.0002
CHMP2A	-9.7	0.0077	0.0002
LYPLA1	5.07	0.0077	0.0002
FAM129B	-4.25	0.0077	0.0002
LL22NC03-2H8.5	2.68	0.0077	0.0002
RP5-1087E8.3	11.94	0.0077	0.0002
GBP2	-6.28	0.0077	0.0002
ATF1	-3.35	0.0077	0.0002
LINC00920	3.41	0.0077	0.0002
ZNF217	-7.05	0.0077	0.0002
TJP1	5.03	0.0078	0.0002
ZFHX4	-13.23	0.0078	0.0002
RPL7P18	12.39	0.0078	0.0002
MIR222	19.55	0.0078	0.0002
TCEANC	-2.37	0.0078	0.0002
FUCA1	-4.62	0.0078	0.0002
PSME4	6.93	0.0078	0.0002
ALYREF	6.86	0.0078	0.0002
RP4-563E14.1	3.67	0.0078	0.0002
SNORD4A	3.6	0.0078	0.0002
RP11-392B6.1	5.04	0.0079	0.0002
TGFBR2	3.74	0.0079	0.0002
RNF146	-3.45	0.0079	0.0002
ABCC1	6.3	0.0079	0.0002
SECISBP2	3.33	0.0079	0.0002
SERF2	-12.01	0.0079	0.0002
COQ6	-4.75	0.0079	0.0002
FAT1	-89.94	0.0079	0.0002
GCNT1	-4.37	0.0079	0.0002
CD274	18.69	0.0079	0.0002
LOC100133920	5.38	0.0079	0.0002
PLCB4	-3.82	0.008	0.0002
CDKL1	-4.44	0.008	0.0002
RP11-787I22.3	-4.8	0.008	0.0002
RNU6-1170P	7.8	0.008	0.0002
GLIPR1	-4.23	0.008	0.0002
TRIM32	-4.18	0.008	0.0002
RP11-798G7.6	5.14	0.008	0.0002
RP11-439C8.2	-3.77	0.008	0.0002

SEC23B	-5.85	0.008	0.0002
SPON1	-3.77	0.008	0.0002
SCYL1	-4.69	0.008	0.0002
ATP6V0A1; MIR5010	-13.45	0.008	0.0002
PIK3C2A	18.64	0.008	0.0002
SLC20A2	-6.7	0.0081	0.0002
CDK15	-4.37	0.0081	0.0002
RP11-408A13.4	9.49	0.0081	0.0002
ESAM	11.21	0.0081	0.0002
MIR7641-2; RNA5SP298	4.7	0.0081	0.0002
MSRB2	-5.77	0.0081	0.0002
GSS	-26.56	0.0081	0.0002
MIR8063	5.63	0.0081	0.0002
CTD-2349P21.9	7.07	0.0081	0.0002
SCARB2	-4.47	0.0082	0.0002
MAP2K2	-33.14	0.0082	0.0002
AGA	-3.14	0.0082	0.0002
PRKAG1	-37.37	0.0082	0.0002
AC007163.2	3.01	0.0082	0.0002
RFTN1	-6.54	0.0082	0.0002
TMEM141	-27.42	0.0082	0.0002
TAMM41	2.93	0.0082	0.0002
C1orf56	-3.01	0.0082	0.0002
ROR1	-5.42	0.0082	0.0002
XXbac-BPG252P9.9	-6.9	0.0082	0.0002
DEPDC1	6.61	0.0083	0.0002
STRBP; MIR600HG; MIR600	5.06	0.0083	0.0002
SLFN12	3.19	0.0083	0.0002
MIR4419B	2.67	0.0083	0.0002
GLUD1	-3.28	0.0083	0.0002
GALNT16	-3.89	0.0083	0.0002
FLRT3	-17.67	0.0083	0.0002
LSAMP	-30.77	0.0083	0.0002
PCDHGC3; PCDHGA12; PCDHGB4; PCDHGA8; PCDHGA1; PCDHG	-69.85	0.0083	0.0002
CLIC4	2.38	0.0083	0.0002
SYS1	-19.07	0.0083	0.0002
LINC00467	-3.9	0.0083	0.0002
EIF5A2	-5.7	0.0083	0.0002
FOXC2-AS1	3.18	0.0083	0.0002
PEBP1P2	-5.54	0.0083	0.0002
PEA15	-5.68	0.0083	0.0002
LAMTOR4	-40.46	0.0083	0.0002

GTPBP1	-5.61	0.0083	0.0002
DCAKD	-62.25	0.0084	0.0002
RNU6-1005P	3.07	0.0084	0.0002
MIR4472-2	5.62	0.0084	0.0002
CETN2	-4.9	0.0084	0.0002
PRKCDBP	-18.17	0.0084	0.0002
MARK4	-9.77	0.0084	0.0002
RP11-24J19.1	-4.45	0.0084	0.0002
CABYR	-5.72	0.0084	0.0002
CTD-2027I19.3	2.79	0.0084	0.0002
LOC100288798; RP11-96H19.1; RP11-446N19.1	2.72	0.0084	0.0002
COMMD3-BMI1; BMI1; COMMD3	-10.85	0.0084	0.0002
XKRX	2.96	0.0084	0.0002
SPECC1	3.2	0.0084	0.0002
CAP2	-2.51	0.0084	0.0002
UROS	-10.51	0.0084	0.0002
BUB1B	3.21	0.0084	0.0002
RP11-360L9.7	2.95	0.0084	0.0002
RAB1A	-2.5	0.0084	0.0002
TTL	-2.96	0.0084	0.0002
RN7SL239P	2.75	0.0084	0.0002
TULP3	-4.85	0.0084	0.0002
C1QTNF9B	-5.52	0.0084	0.0002
TMEM205	-10.2	0.0084	0.0002
MIPOL1	3.34	0.0084	0.0002
LAMC2	4.08	0.0084	0.0002
RP11-261C10.4	4.91	0.0085	0.0002
TCIRG1	-7.74	0.0085	0.0002
ARMCX2	-3.15	0.0085	0.0002
PGRMC2	-2.33	0.0085	0.0002
USP3	4.06	0.0085	0.0002
RP11-426C22.4	-7.34	0.0085	0.0002
CERS2	-10.01	0.0085	0.0002
RFX5	-5.2	0.0085	0.0002
ATF5; MIR4751	-4.28	0.0085	0.0002
PDP1	-3.37	0.0085	0.0002
ARHGAP6	-2.28	0.0085	0.0002
STARD4-AS1	4.67	0.0085	0.0002
BLVRA	-26.97	0.0085	0.0002
RNU6-606P	3.48	0.0086	0.0002
LMOD1	-2.79	0.0086	0.0002
SLC25A38	-4.19	0.0086	0.0003

CLEC3B	-5.92	0.0086	0.0003
RP11-479G22.8	12.44	0.0086	0.0003
VPS36	-2.83	0.0086	0.0003
CRELD1	-8.94	0.0086	0.0003
GPR137B	-2.41	0.0086	0.0003
SSR2	-27.87	0.0086	0.0003
PCDH10	22.62	0.0086	0.0003
NSUN2	2.65	0.0087	0.0003
OMG	-20.94	0.0087	0.0003
UBL7	-16.04	0.0087	0.0003
RP11-265N6.1	3.58	0.0087	0.0003
RP11-582J16.3	-3.04	0.0087	0.0003
QSOX1	-9.15	0.0087	0.0003
LCE2A	-69.42	0.0087	0.0003
NR1D2	-5.72	0.0087	0.0003
RIPK1	-3.32	0.0087	0.0003
ARF5	-8.53	0.0087	0.0003
CA5B	-11.88	0.0087	0.0003
RP11-432J22.2	6.73	0.0087	0.0003
RNU6-196P	7.12	0.0087	0.0003
MAD2L1	4.57	0.0088	0.0003
FRMD4A	16.58	0.0088	0.0003
TNFSF12	-2.96	0.0088	0.0003
TANC1	8.16	0.0088	0.0003
NAALADL2	-4.97	0.0088	0.0003
XXbac-BPG181B23.7	4.93	0.0088	0.0003
RNU6-1081P	2.92	0.0088	0.0003
INPPL1	-3.74	0.0088	0.0003
RPPH1	-355.49	0.0088	0.0003
RPN1	-21.74	0.0088	0.0003
RNY1P13	4.97	0.0089	0.0003
RNF141	-4.97	0.0089	0.0003
AP2A1	-5.88	0.0089	0.0003
NOP58	5.89	0.0089	0.0003
MIR575	2.83	0.0089	0.0003
RNU6-377P	2.62	0.0089	0.0003
SYT11	-7.26	0.0089	0.0003
TMED3	-12.8	0.0089	0.0003
TECR; MIR639	-45.27	0.0089	0.0003
SUN1	-16.12	0.009	0.0003
PLK4	9.95	0.009	0.0003
NDRG4	3.91	0.009	0.0003

ATP6V1B2	-7.11	0.009	0.0003
CDK7	-8.07	0.009	0.0003
RP11-603J24.17	3.6	0.009	0.0003
SIL1	-6.13	0.009	0.0003
USP9Y; TTTY15	4.45	0.009	0.0003
BBS1	-4.14	0.009	0.0003
METTL7A	-5.08	0.009	0.0003
EEF1D	-303.02	0.0091	0.0003
SOX4	3	0.0091	0.0003
BEX1	-6.77	0.0091	0.0003
WWC3-AS1; AC002365.4	3.18	0.0091	0.0003
HMGB1P23	2.73	0.0091	0.0003
HBS1L	-4.49	0.0091	0.0003
VPS28	-30.21	0.0091	0.0003
TMEM120A	-6.81	0.0091	0.0003
TOR1B	-5.35	0.0091	0.0003
TAX1BP3	-23.97	0.0091	0.0003
MIR4771-1; MIR4771-2	2.63	0.0091	0.0003
ESCO1	3.55	0.0092	0.0003
RP11-225H22.7	-2.79	0.0092	0.0003
TUFT1	-3.32	0.0092	0.0003
COQ9	-2.97	0.0093	0.0003
HMG1N1P30	2.68	0.0093	0.0003
WARS2	-3.04	0.0093	0.0003
C6orf48; SNORD52; SNORD48	-6.53	0.0093	0.0003
ADD3	-16.76	0.0093	0.0003
ALDH1A1	6.2	0.0093	0.0003
BAIAP2L1	-3.96	0.0093	0.0003
MYO1E	-6.33	0.0093	0.0003
UTP18	4.55	0.0093	0.0003
KCTD4	-2.93	0.0093	0.0003
ANKRD36C	7.41	0.0093	0.0003
SSH2	4.63	0.0093	0.0003
ITSN1	3.6	0.0093	0.0003
RGMB-AS1	-8.14	0.0093	0.0003
PPP2R1A	-33.07	0.0093	0.0003
ARPC4	-14.13	0.0093	0.0003
MTND5P26	3.7	0.0093	0.0003
WBP2	-17.58	0.0094	0.0003
LOC100506178; AC002480.3; AC002480.4	2.74	0.0094	0.0003
NHLRC3	-5.3	0.0094	0.0003
KAZN	-3.03	0.0094	0.0003

TFPI	-5.59	0.0094	0.0003
NDRG1	-6.43	0.0094	0.0003
NET1	4.04	0.0094	0.0003
GMPPA	-7.27	0.0095	0.0003
GPHN	4.2	0.0095	0.0003
CCDC88C	2.95	0.0095	0.0003
ZNF568	-3.46	0.0095	0.0003
MAPKAPK5-AS1	6.65	0.0095	0.0003
LRRC8B	5.01	0.0095	0.0003
MIR1290	4.4	0.0095	0.0003
FAM13A	-9.84	0.0095	0.0003
FOXP1	4.73	0.0095	0.0003
MFSD5	-8.84	0.0095	0.0003
TMEM8A	-13.25	0.0095	0.0003
RNU6-724P	2.82	0.0095	0.0003
TUBB8	-2.54	0.0095	0.0003
CAPNS1	-3.79	0.0095	0.0003
EHD3	-6.3	0.0095	0.0003
SEC61A1	-5.34	0.0095	0.0003
RAB3GAP2; AURKAPS1	-7.38	0.0096	0.0003
C1QTNF9B-AS1	-17.6	0.0096	0.0003
QSER1	8.33	0.0096	0.0003
NLGN1-AS1	2.76	0.0096	0.0003
OCRL	-3.75	0.0096	0.0003
DDX41	-7.04	0.0096	0.0003
TES	12.01	0.0096	0.0003
RP11-568J23.8	3.64	0.0096	0.0003
LAMP2	-5.74	0.0097	0.0003
SNX12	-16.41	0.0097	0.0003
FGF13; LINC00889	-4.42	0.0097	0.0003
PAX8-AS1	5.1	0.0097	0.0003
UBA1	-13.63	0.0097	0.0003
TSC22D1	-3.29	0.0097	0.0003
RNF103-CHMP3; CHMP3	-4.52	0.0097	0.0003
HS3ST3A1	-3	0.0098	0.0003
KHDRBS3	-2.64	0.0098	0.0003
TMEM208	-16.49	0.0098	0.0003
NDUFS8; MIR4691; MIR7113	-80.69	0.0098	0.0003
STAM	-6.26	0.0098	0.0003
SNTB1	-7.63	0.0098	0.0003
FAM177A1	-3.13	0.0098	0.0003
snoU13	4.1	0.0098	0.0003

VPS41	-6.21	0.0098	0.0003
LRTOMT	-2.36	0.0098	0.0003
IGSF10	-6.9	0.0098	0.0003
SMARCB1	-6.14	0.0099	0.0003
ISOC2	-21.83	0.0099	0.0003
RNU6-946P	3.95	0.0099	0.0003
FRS2	-5.71	0.0099	0.0003
MTURN	-3.53	0.0099	0.0003
TMEM230	-7.5	0.01	0.0003
SIRPA	3.45	0.01	0.0003
MGAT4B	-7.99	0.01	0.0003
HMGB1P5	2.55	0.01	0.0003
RNU6-1016P	10.64	0.01	0.0003
BORCS8; MEF2B; MEF2BNB-MEF2B	-5.19	0.01	0.0003
CSNK2A2	4.68	0.01	0.0003
HN1	16.73	0.01	0.0003
RNA5SP493	3.8	0.01	0.0003
ATP6AP2	-4.29	0.01	0.0003
PDZRN3	-6.86	0.01	0.0003
IPO5	-7.91	0.01	0.0003
MIR569	2.96	0.0101	0.0003
PLIN3	-7.94	0.0101	0.0003
SNORA38B	2.37	0.0101	0.0003
MAML3	3.32	0.0101	0.0003
CCDC53	-6.51	0.0101	0.0003
TCF25	-8.69	0.0102	0.0003
MYADM	-19.28	0.0102	0.0003
GPX4	-95.38	0.0102	0.0003
ZNF425	-4.11	0.0102	0.0003
RP11-709A23.1	5.06	0.0102	0.0003
RNU6-79P	5.35	0.0102	0.0003
RFX8	-5.19	0.0102	0.0003
FN3K	-8.32	0.0102	0.0003
RP11-706O15.7	4.1	0.0102	0.0003
Y_RNA	3.05	0.0102	0.0003
MAGED1	-4.18	0.0102	0.0003
SNRK-AS1	5.38	0.0103	0.0003
CENPJ	6.45	0.0103	0.0003
LIMS1	3.94	0.0103	0.0003
SCAMP2	-23.75	0.0103	0.0003
TRA2A	2.85	0.0103	0.0003
OMA1	-5.58	0.0103	0.0003

LTBR	-12.53	0.0104	0.0003
DOCK7	-20.58	0.0104	0.0003
PPFIBP2	-3.57	0.0104	0.0003
PARP1	2.98	0.0104	0.0003
C12orf49	-3.06	0.0104	0.0003
PPP2R5C	-2.52	0.0104	0.0003
RNU6-144P	3.62	0.0104	0.0003
AIDA	-2.35	0.0104	0.0003
ALDOA	-69.13	0.0104	0.0003
SRPR	-4.87	0.0104	0.0003
NEK6	-5.84	0.0104	0.0003
APOBEC3G	-5.63	0.0105	0.0003
APLP2	-56.9	0.0105	0.0003
SNAPIN	-7.23	0.0105	0.0003
ZDHHC21	7.65	0.0105	0.0003
RP11-35J1.2	3.44	0.0105	0.0003
NFATC4	-5.49	0.0105	0.0003
TUBB2A	-21.11	0.0105	0.0003
RN7SKP184	-3.65	0.0105	0.0003
CACNA1A	-9.56	0.0105	0.0003
TUBB4B	-73.2	0.0105	0.0003
BRCA1	2.67	0.0105	0.0003
HINT3	-2.55	0.0105	0.0003
CEP170P1	4.01	0.0105	0.0003
AP1M1	-4.06	0.0105	0.0003
EIF3G	-52.6	0.0105	0.0003
GOLGA8K; ULK4P1	4.18	0.0106	0.0003
LOC389765	6.71	0.0106	0.0003
PLSCR4	4.53	0.0106	0.0003
CUTA	-3.73	0.0106	0.0003
LY6K	-7.07	0.0106	0.0003
RNU6-1226P	14.39	0.0106	0.0003
OSBPL3	-12.84	0.0107	0.0003
AC020594.5	5.32	0.0107	0.0003
CTGF	14.59	0.0107	0.0003
CDK14	-2.73	0.0107	0.0003
EDIL3	5.77	0.0107	0.0003
TERF2IP	-2.29	0.0107	0.0003
SORBS3	-2.93	0.0108	0.0003
NDUFAF3	-4.29	0.0108	0.0003
SLFN5	-6.16	0.0108	0.0003
PMPCB	-4.05	0.0108	0.0003

MAGED2	-7.93	0.0108	0.0003
SNTA1	-2.94	0.0108	0.0003
SNX6	-5.52	0.0108	0.0003
ERP29	-3.88	0.0108	0.0003
RP11-879F14.1	4.4	0.0108	0.0004
RIPPLY2	-3.89	0.0108	0.0004
FNDC5	-4.9	0.0108	0.0004
KCTD9	-3.44	0.0108	0.0004
GS1-72M22.1	-4.13	0.0108	0.0004
AL161784.1	-4.97	0.0108	0.0004
TBC1D2B	-7.32	0.0108	0.0004
MLXIP	4.37	0.0108	0.0004
BAZ2B	8.55	0.0109	0.0004
HCLS1	5.2	0.0109	0.0004
Y_RNA	3.92	0.0109	0.0004
Y_RNA	3.92	0.0109	0.0004
Y_RNA	3.92	0.0109	0.0004
HS3ST3B1	-2.37	0.0109	0.0004
OLFML2A	-3.32	0.0109	0.0004
EEPD1	-6.77	0.0109	0.0004
PRC1-AS1	2.62	0.0109	0.0004
UBTD2	-2.55	0.0109	0.0004
PTPRS	-4.34	0.0109	0.0004
KSR2	2.41	0.0109	0.0004
CAMK1	-3.47	0.0109	0.0004
C19orf66	-17.93	0.0109	0.0004
B3GALNT2	4.17	0.0109	0.0004
PTGES	-9.94	0.0109	0.0004
SCARA3	-6.44	0.0109	0.0004
TIMM50	2.41	0.0109	0.0004
ARHGEF3	-3.68	0.0109	0.0004
FAIM2	-5.97	0.0109	0.0004
MAP4	-5.81	0.0109	0.0004
RP11-545P7.4	3.82	0.011	0.0004
DCTN3	-4.41	0.011	0.0004
GPR39	3.54	0.011	0.0004
HBP1	-4.27	0.011	0.0004
DPF2	-11.85	0.0111	0.0004
C4orf3	-5.62	0.0111	0.0004
RXRB	-7.84	0.0111	0.0004
SERPINB9	6.09	0.0111	0.0004
SFPQ	19.46	0.0111	0.0004

ANAPC13	-9.28	0.0111	0.0004
COL4A1	6.09	0.0111	0.0004
STXBP3	-2.8	0.0111	0.0004
FAM86EP	-4.53	0.0111	0.0004
TOPBP1	2.58	0.0111	0.0004
SLC48A1	-6.22	0.0111	0.0004
SLC25A6	-49.18	0.0111	0.0004
PDGFC	-3.55	0.0111	0.0004
ADAMTS5	-32.95	0.0112	0.0004
RP11-497H17.1	8	0.0112	0.0004
RNU6-1282P	2.97	0.0112	0.0004
ETFB	-16.81	0.0112	0.0004
CDK5	-65.39	0.0112	0.0004
PAX5	-2.79	0.0112	0.0004
RN7SL198P	3.19	0.0112	0.0004
PHF14	7.74	0.0112	0.0004
UTRN	14.7	0.0112	0.0004
ELOVL6	-5.13	0.0112	0.0004
GAS2L3	7.38	0.0112	0.0004
SFPQ	4.07	0.0112	0.0004
ZNF655	-5.47	0.0112	0.0004
LINC01184	-2.26	0.0113	0.0004
POLR1E	-3.62	0.0113	0.0004
LOC440895; LOC100288570; AC013271.3	4.41	0.0113	0.0004
RP11-571I18.4	3.13	0.0113	0.0004
TMEM53	-28.09	0.0113	0.0004
NBR2	-3.85	0.0113	0.0004
DSP	-13.6	0.0114	0.0004
C16orf62	-3.82	0.0114	0.0004
MKRN1	-6.51	0.0114	0.0004
ALKBH7	-26.2	0.0114	0.0004
RAMP2	5.13	0.0114	0.0004
SLC2A10	-7.69	0.0114	0.0004
CTD-3099C6.9	2.78	0.0115	0.0004
RNU6-1208P	5.77	0.0115	0.0004
RP11-380M21.3	5.25	0.0115	0.0004
RP3-510L9.1	4.21	0.0115	0.0004
COMMD8	-2.73	0.0115	0.0004
ARHGEF40	-4.01	0.0115	0.0004
RAD1	-5.45	0.0115	0.0004
SCAMP3	-42.74	0.0115	0.0004
SP3	-2.62	0.0115	0.0004

ERCC3	-6.22	0.0115	0.0004
KRTAP1-1	-3.3	0.0115	0.0004
FAM193B	3.48	0.0115	0.0004
SMIM18	13.57	0.0115	0.0004
MIR1268B	8.45	0.0115	0.0004
STARD13-AS	4.83	0.0115	0.0004
ST8SIA4	3.56	0.0115	0.0004
RRN3P2	2.73	0.0116	0.0004
GNG12	-7.88	0.0116	0.0004
SNX21	-2.63	0.0116	0.0004
WBSCR22	-9.93	0.0116	0.0004
SAMHD1	-4.24	0.0116	0.0004
AIM1	4.12	0.0116	0.0004
FGD6	3.02	0.0117	0.0004
TSPAN31	-5.41	0.0117	0.0004
DDB2	-5.31	0.0117	0.0004
XXbac-BPG181M17.6	-9.75	0.0117	0.0004
RNF128	-2.72	0.0117	0.0004
GSTO1	-6.26	0.0117	0.0004
URGCP	-6.71	0.0117	0.0004
ARMCX6	-5.63	0.0118	0.0004
DKFZP586I1420	2.41	0.0118	0.0004
RN7SL517P	4.2	0.0118	0.0004
ZFAND3	-3.11	0.0118	0.0004
DYRK3	-3.37	0.0118	0.0004
MIR217HG	7.17	0.0118	0.0004
TOM1L2	-2.68	0.0118	0.0004
ADAL	-3.84	0.0118	0.0004
ADGRA2	-4.05	0.0118	0.0004
MTG2	-3.55	0.0118	0.0004
NES	3.29	0.0119	0.0004
GLB1; TMPPE	-7.86	0.0119	0.0004
AF127577.13	11.35	0.0119	0.0004
ADAMTS9	4.49	0.0119	0.0004
RP11-143K11.7	3.75	0.0119	0.0004
CCDC51	-2.29	0.0119	0.0004
ZNF384	-3.55	0.0119	0.0004
PDCD6	-2.67	0.0119	0.0004
INO80B-WBP1	-4.81	0.0119	0.0004
CTC-436P18.3	2.85	0.0119	0.0004
SLC25A6	-47.65	0.0119	0.0004
TCONS_00030032	4.41	0.0119	0.0004

BTBD2	-9.88	0.0119	0.0004
CLIC1	-13.23	0.0119	0.0004
RNU6-1209P	8.52	0.0119	0.0004
PACRGL	4.73	0.0119	0.0004
NSMAF	-4.21	0.0119	0.0004
RP11-329B9.4	-2.87	0.012	0.0004
PRRG1	3.54	0.012	0.0004
PPP1R16B	3.21	0.012	0.0004
ZP3	4.19	0.012	0.0004
RP11-19P22.8	4.63	0.0121	0.0004
DDX39BP2	-2.41	0.0121	0.0004
VAC14	-6.55	0.0121	0.0004
FEZ1	-11.79	0.0121	0.0004
UCP2	-6.22	0.0121	0.0004
RNU6-49P	2.79	0.0121	0.0004
RP11-16E18.3	2.77	0.0121	0.0004
MDH1	-5.64	0.0121	0.0004
ACY1	-3.79	0.0121	0.0004
LOC101927204; AP001258.4	-2.6	0.0122	0.0004
NELFE; MIR1236	-3.63	0.0122	0.0004
PPP2R5D	-4.9	0.0122	0.0004
PDE1A	-3.24	0.0122	0.0004
ZNF577	-3.27	0.0122	0.0004
BSG	-62.28	0.0123	0.0004
DSEL	-49.8	0.0123	0.0004
AC002044.4	3.36	0.0123	0.0004
FUCA2	-2.89	0.0123	0.0004
NDUFC2-KCTD14; NDUFC2; KCTD14	-59.96	0.0123	0.0004
KCND2	-11.52	0.0123	0.0004
PPP6R1	-2.71	0.0123	0.0004
ZNF222	-2.74	0.0123	0.0004
PCGF1	-22.68	0.0123	0.0004
MREG	-2.95	0.0124	0.0004
FAM110B	-2.96	0.0124	0.0004
PROCR	7.55	0.0124	0.0004
TMEM163	3.62	0.0124	0.0004
MAX	-6.16	0.0124	0.0004
RCN3	-58.7	0.0124	0.0004
RAB7A	-2.65	0.0124	0.0004
NOTCH2	-4.13	0.0125	0.0004
ANKRD36B	9.28	0.0125	0.0004
TMLHE	-3.6	0.0126	0.0004

CADPS2	3.8	0.0126	0.0004
KDEL3	-6.02	0.0126	0.0004
CLEC11A	-2.3	0.0126	0.0004
CCL20	4.87	0.0126	0.0004
PCID2	-3.08	0.0126	0.0004
COMMD7	-13.33	0.0126	0.0004
C6orf201	5.09	0.0126	0.0004
ANKRD50	9.09	0.0127	0.0004
UCK2; MIR3658	3.96	0.0127	0.0004
RP5-1136G13.2	2.96	0.0127	0.0004
IRX5	-4.55	0.0128	0.0004
USP48	3.24	0.0128	0.0004
HMGB3P14	5.99	0.0128	0.0004
LMAN2	-546.86	0.0128	0.0004
PPRC1	2.78	0.0128	0.0004
LRCH3	-2.43	0.0128	0.0004
PLCD1	-5.12	0.0128	0.0004
RAPGEF2	5.25	0.0128	0.0004
TMEM173	-2.76	0.0128	0.0004
KRCC1	-6.11	0.0128	0.0004
GYG1	-6.5	0.0128	0.0004
NBPF19	-3.31	0.0129	0.0005
RPL23AP32	3.36	0.0129	0.0005
ITGB1BP1	-4.08	0.0129	0.0005
MRPS21	-5.85	0.0129	0.0005
PI4KB	-5.66	0.0129	0.0005
C12orf43	-2.42	0.0129	0.0005
TIAL1	2.25	0.0129	0.0005
PMCH	5.58	0.0129	0.0005
ANG; RNASE4	-2.72	0.0129	0.0005
TMEM63B	-3.35	0.0129	0.0005
SNORD114-6	-3.36	0.0129	0.0005
GUSBP2	-2.33	0.013	0.0005
RN7SKP198	3.34	0.013	0.0005
MLPH	-3.37	0.013	0.0005
TRAFD1	-4.55	0.013	0.0005
SLC25A30	-7.06	0.013	0.0005
BAZ1A	12.45	0.013	0.0005
BLZF1	-3.36	0.013	0.0005
NSUN5	-4.12	0.013	0.0005
UBE2M	-8.64	0.013	0.0005
RP11-248J18.3	3.43	0.013	0.0005

TUBB3; MC1R	-8.8	0.0131	0.0005
SERPINB6	-6.18	0.0131	0.0005
CHPF2; MIR671	-3.14	0.0131	0.0005
FUBP1	4.96	0.0131	0.0005
Metazoa_SRP	3.32	0.0131	0.0005
TCONS_00017186; TCONS_00017187	-2.44	0.0131	0.0005
HYI	7.56	0.0131	0.0005
LA16c-358B7.3	2.19	0.0131	0.0005
RNU6-1154P	4.15	0.0131	0.0005
COPB2	-7.61	0.0131	0.0005
RP11-332M2.1	37.39	0.0131	0.0005
LAMB1	15.52	0.0131	0.0005
CTD-3193O13.14	8.09	0.0131	0.0005
MIR4458; MIR4458HG	-2.68	0.0131	0.0005
RNU6-935P	2.81	0.0132	0.0005
NDC80	2.45	0.0132	0.0005
B9D1	-4.91	0.0132	0.0005
B4GALT5	3.51	0.0132	0.0005
ENG	4.87	0.0132	0.0005
PPP3CB	-4.95	0.0132	0.0005
TMEM158	-2.98	0.0133	0.0005
RP11-594N15.3	3.96	0.0133	0.0005
NFIA	2.95	0.0133	0.0005
TFE3	-2.75	0.0133	0.0005
LINC00622	7.48	0.0133	0.0005
FAM86JP	-4.88	0.0133	0.0005
KIAA0196	-10.69	0.0133	0.0005
RP11-350N15.6	7.32	0.0134	0.0005
SETDB2	-4.15	0.0134	0.0005
IPMK	2.44	0.0134	0.0005
DLGAP1-AS2	2.39	0.0134	0.0005
ANKRD27	-3.61	0.0134	0.0005
URI1	-3.31	0.0134	0.0005
RCOR3	-3.01	0.0135	0.0005
POLR2B	3.29	0.0135	0.0005
EXOSC8	2.79	0.0135	0.0005
AK1	-11.37	0.0135	0.0005
RP5-1113E3.3	2.89	0.0135	0.0005
SCP2	-3.52	0.0135	0.0005
LARP7	-4.09	0.0135	0.0005
RHBDD2	-10.29	0.0135	0.0005
TCONS_I2_00003977	-13.75	0.0135	0.0005

CD99	-35.04	0.0136	0.0005
SLC38A5	-3.46	0.0136	0.0005
DLGAP5	6.3	0.0136	0.0005
PLCL2; MIR3714	-3.3	0.0136	0.0005
FAHD2A	-7.69	0.0136	0.0005
CD99	-28.04	0.0136	0.0005
ZDHHC2	-2.81	0.0136	0.0005
LINC00680; GUSBP1; GUSBP4	-2.59	0.0136	0.0005
MRPL16	-20.41	0.0137	0.0005
MBTPS1	-5.84	0.0137	0.0005
SNORD56B	6.49	0.0137	0.0005
CDC42EP3	-2.29	0.0137	0.0005
GLUD1P3	-13.03	0.0137	0.0005
Metazoa_SRP	2.74	0.0137	0.0005
RPL12P24	2.83	0.0137	0.0005
PRKG1	-4.62	0.0137	0.0005
NEU1	-13.62	0.0137	0.0005
DCBLD2	3.71	0.0138	0.0005
BCHE	-2.98	0.0138	0.0005
LPIN1; MIR548S	-10.9	0.0138	0.0005
AGO2	2.9	0.0138	0.0005
SRGAP1	-6.39	0.0138	0.0005
TTL3	-3.29	0.0138	0.0005
ZDHHC3	-2.3	0.0138	0.0005
NUDT4	6.95	0.0138	0.0005
EDNRA	-3.24	0.0138	0.0005
TP53I3	-4.65	0.0138	0.0005
GOLPH3	-2.42	0.0138	0.0005
COPS4	-5.74	0.0139	0.0005
UCHL1	-4.04	0.0139	0.0005
OTUD4	3.43	0.0139	0.0005
FGF12	-6.92	0.0139	0.0005
FLVCR1	5.21	0.0139	0.0005
CTNS	-4.23	0.014	0.0005
GS1-114I9.1	3.86	0.014	0.0005
SCML1	-3.56	0.014	0.0005
HLA-E	-8.94	0.014	0.0005
CASC8	5.37	0.014	0.0005
Y_RNA	5.34	0.014	0.0005
C11orf24	-4.43	0.014	0.0005
SNORD100	5.05	0.014	0.0005
SAV1	3.83	0.014	0.0005

MRPL55	-9.88	0.0141	0.0005
EPS15L1	-4.9	0.0141	0.0005
DLEU2_2	3.24	0.0141	0.0005
HPRT1	3.92	0.0141	0.0005
RNU6-38P	4.86	0.0141	0.0005
RP11-424G14.1	2.65	0.0141	0.0005
FAM102B	-4.34	0.0141	0.0005
SEPT2P1	-2.38	0.0141	0.0005
CYBA	-13.06	0.0141	0.0005
ZNF846	-5.38	0.0141	0.0005
SIRT2	-3.15	0.0141	0.0005
KCNA1	-3.08	0.0141	0.0005
CRLF3	4	0.0142	0.0005
CCDC107	-16.02	0.0142	0.0005
SLC43A3	-3.59	0.0142	0.0005
AC129778.2	3.96	0.0142	0.0005
SNORD39	12.83	0.0142	0.0005
PREX1	2.38	0.0142	0.0005
MVD	-7.64	0.0142	0.0005
INADL	-3.31	0.0142	0.0005
TSTD1	-11.75	0.0142	0.0005
TMED5	-2.9	0.0142	0.0005
EPB41L1	-3.24	0.0142	0.0005
TEX29	-4.69	0.0142	0.0005
MPG	-11.01	0.0142	0.0005
STAG3L4	-2.97	0.0142	0.0005
THG1L	-3.33	0.0142	0.0005
BNIP3P25	2.54	0.0142	0.0005
EIF4A3	13.19	0.0142	0.0005
CHPF	-3.63	0.0142	0.0005
TMED10	-5.2	0.0142	0.0005
SLC15A4	-4.14	0.0143	0.0005
CH507-254M2.1	4.58	0.0143	0.0005
CH507-254M2.2	4.58	0.0143	0.0005
CMPK1	-2.8	0.0143	0.0005
IK; MIR3655	-7.46	0.0143	0.0005
UBQLN2	-3.88	0.0143	0.0005
OLMALINC	-8.2	0.0144	0.0005
HRCT1	2.71	0.0144	0.0005
DNAJB6	-8.86	0.0144	0.0005
ATG5	3.86	0.0144	0.0005
COX8A	-19.38	0.0144	0.0005

ZNF702P	3.64	0.0144	0.0005
ZNF717	-4.72	0.0144	0.0005
POLG2	4.49	0.0144	0.0005
SNX8; MIR6836	-18.48	0.0145	0.0005
MIR7641-2; RNA5SP389; AC245369.1	9.89	0.0145	0.0005
HADH	-4.36	0.0145	0.0005
THRB	-10.18	0.0145	0.0005
CALML4	11.67	0.0145	0.0005
PRUNE2	-7.21	0.0145	0.0005
CENPN	3.63	0.0145	0.0005
DHX29	-2.27	0.0145	0.0005
ACOT1	-2.61	0.0145	0.0005
BLOC1S1	-19.64	0.0145	0.0005
Y_RNA	2.88	0.0145	0.0005
AC007362.3	5.21	0.0145	0.0005
LINC00847	-2.75	0.0145	0.0005
GLUL	-65.84	0.0145	0.0005
SNORD1A; SNORD1C; SNHG16	4.95	0.0145	0.0005
ALAD	-5.69	0.0146	0.0005
RNU6-611P	6.32	0.0146	0.0005
RPL26P35	3.32	0.0146	0.0005
NECAP2	-3.14	0.0146	0.0005
CTC-457L16.1	2.24	0.0147	0.0005
RNH1	-11.4	0.0147	0.0005
RXRA; MIR4669	-2.8	0.0147	0.0005
ZNF542P	-3.36	0.0147	0.0006
HIGD1A	-4.05	0.0147	0.0006
CHAC2	2.83	0.0147	0.0006
KIF20B	2.4	0.0147	0.0006
AKT2	-8.79	0.0147	0.0006
ZNF134	-2.76	0.0147	0.0006
SVIP	26.59	0.0147	0.0006
RAB11FIP2	-14.93	0.0147	0.0006
PLXNC1	-35.84	0.0147	0.0006
NBPF2P	-3.51	0.0147	0.0006
LINC00641	7.08	0.0147	0.0006
AGPAT1; MIR6721	-28.92	0.0147	0.0006
BAG6	-84.91	0.0147	0.0006
DUSP5	-3.03	0.0147	0.0006
RP11-66H6.3	2.37	0.0148	0.0006
TAPBP	-3.52	0.0148	0.0006
TMEM154	8.05	0.0148	0.0006

RP11-44N21.3	5.89	0.0148	0.0006
MSL3P1	3.72	0.0149	0.0006
MAGEA2; MAGEA2B	3.05	0.0149	0.0006
LINC00216	4.97	0.0149	0.0006
LOC101927752; CTD-233602.1	-8.59	0.0149	0.0006
RHOA	-10.13	0.015	0.0006
RRAGD	-4.75	0.015	0.0006
CTBS	-3.69	0.015	0.0006
INPP5D	4.08	0.015	0.0006
LRPPRC	4.56	0.015	0.0006
GTF2H5	-7.67	0.015	0.0006
LRP5	11.67	0.015	0.0006
UQCC3	-5.64	0.015	0.0006
ENO1	2.41	0.0151	0.0006
RGS3	-3.17	0.0151	0.0006
DPM2	-70.37	0.0151	0.0006
CH507-154B10.2; CH507-145C22.4	4.44	0.0151	0.0006
RP11-39704.1	2.71	0.0151	0.0006
RP3-426I6.5	9.21	0.0151	0.0006
PIP4K2A	-3	0.0151	0.0006
ZNF135	-3.02	0.0151	0.0006
MAF1	-20.65	0.0151	0.0006
MYCBP; GJA9	17.33	0.0151	0.0006
TMEM110	-3.19	0.0152	0.0006
SNRK	6.73	0.0152	0.0006
ATP6V0B	-92.38	0.0152	0.0006
HCST	-7.16	0.0152	0.0006
NFKB1	-2.74	0.0152	0.0006
MIR3609	-8.45	0.0152	0.0006
RPL4; SNORD16; SNORD18A; SNORD18B; SNORD18C	-11.13	0.0152	0.0006
TBCB	-49.61	0.0152	0.0006
RNU6-638P	8.22	0.0152	0.0006
NUDT12	-3.8	0.0152	0.0006
FAM127A	-4.06	0.0152	0.0006
PEX11A	-2.27	0.0152	0.0006
LMO4	-2.62	0.0153	0.0006
MIR7641-1	2.69	0.0153	0.0006
ZDHHC3	-5.9	0.0153	0.0006
FTL	-40.56	0.0153	0.0006
RP11-361D15.2	3.07	0.0153	0.0006
RNA5SP268	28	0.0154	0.0006
ATRNL1	-17.24	0.0154	0.0006

CASC7	8.41	0.0154	0.0006
SDHDP6	-2.13	0.0154	0.0006
PRDX2	-29.8	0.0154	0.0006
SNRPGP18	3.13	0.0154	0.0006
RMRP	-15.33	0.0154	0.0006
PRTFDC1	-11.25	0.0154	0.0006
ADAMTS12	-15.34	0.0154	0.0006
MEIS2	4.58	0.0155	0.0006
BRD2	-2.91	0.0155	0.0006
PECR	-3.38	0.0155	0.0006
C3orf18	-3.67	0.0155	0.0006
MIR8485	2.7	0.0155	0.0006
LOC400043; RP11-834C11.4	-3.66	0.0155	0.0006
RAB5C	-14.56	0.0155	0.0006
CDK20	-3.27	0.0156	0.0006
RP11-687E1.2	14.57	0.0156	0.0006
Y_RNA	3.4	0.0156	0.0006
UBE2K	2.73	0.0156	0.0006
RP11-90P5.5	2.32	0.0156	0.0006
LDLR; MIR6886	-6.8	0.0156	0.0006
APLF	-2.73	0.0156	0.0006
KLHL23	3.06	0.0156	0.0006
GON4L	-3.73	0.0156	0.0006
COL1A2	-20.7	0.0156	0.0006
ASF1A	2.97	0.0157	0.0006
UCHL5	3.8	0.0157	0.0006
LINC00960	-3.42	0.0157	0.0006
CYFIP2	-4.33	0.0157	0.0006
SKA2	8.13	0.0157	0.0006
NFKBIZ	3.09	0.0157	0.0006
RP11-527D7.1	-37.88	0.0157	0.0006
ZNF667-AS1	-26.04	0.0157	0.0006
FGF7P2	-6.61	0.0157	0.0006
MAPKAP1	-2.46	0.0158	0.0006
FAM96B	-36.07	0.0158	0.0006
MIR1285-1	2.56	0.0158	0.0006
COMMD5	-2.59	0.0158	0.0006
RRAS	-17.25	0.0158	0.0006
CTDSPL2	-2.45	0.0158	0.0006
TSKU	-6.34	0.0158	0.0006
CSE1L	7.94	0.0158	0.0006
ARPC1B	-28.9	0.0159	0.0006

RAB8A	-9.8	0.0159	0.0006
RNA5SP450	6.63	0.0159	0.0006
CH507-24F1.1	3.98	0.0159	0.0006
VPS39	-3.13	0.0159	0.0006
NAALADL2	-2.97	0.0159	0.0006
WTAP	-6.29	0.0159	0.0006
FECH	-3.27	0.0159	0.0006
SNX3	-5.06	0.016	0.0006
CPEB2	-6.12	0.016	0.0006
PFKM	-2.88	0.016	0.0006
CPXM2	-3.62	0.016	0.0006
ATPAF1	-3.9	0.016	0.0006
PDZD11	-4.15	0.016	0.0006
PRR13P5	-6.38	0.016	0.0006
INTS7	2.78	0.016	0.0006
GPX7	-10.8	0.0161	0.0006
TMEM147	-16.8	0.0161	0.0006
Y_RNA	3.24	0.0161	0.0006
AKAP8	2.76	0.0161	0.0006
GOLT1B	-2.95	0.0161	0.0006
SCG5	-3.43	0.0161	0.0006
RNU6-1019P	4.72	0.0161	0.0006
ZDHHC3	-3.6	0.0161	0.0006
RB1	3.73	0.0162	0.0006
MAPRE3	-2.45	0.0162	0.0006
RP1-142L7.9	4.21	0.0162	0.0006
FRYL	3.48	0.0163	0.0006
ST3GAL6	4.21	0.0163	0.0006
PVR	4.08	0.0163	0.0006
PRDM5	-3.22	0.0163	0.0006
RAB29	-4.17	0.0163	0.0006
NECAP1	-7.06	0.0163	0.0006
NT5C	-4.92	0.0163	0.0006
ZKSCAN7	-2.19	0.0164	0.0006
RP11-138H8.8	9.29	0.0164	0.0006
PBX1	-3.5	0.0164	0.0007
LOC100128288	3.04	0.0165	0.0007
RP11-96K19.2	2.41	0.0165	0.0007
POLR3H	-6.93	0.0165	0.0007
BTBD7	8.77	0.0165	0.0007
RBMS1	6.86	0.0165	0.0007
FAAP20	-13.57	0.0165	0.0007

RP11-950C14.3	3.79	0.0165	0.0007
RP11-61K9.2	3.31	0.0166	0.0007
ATIC	-2.67	0.0166	0.0007
BRI3	-5.27	0.0166	0.0007
RP11-500C12.1	3.27	0.0166	0.0007
RMRP	-14.09	0.0166	0.0007
RP11-629N8.5	2.08	0.0166	0.0007
TSSC2	-3.41	0.0167	0.0007
ECH1	-98.19	0.0167	0.0007
HNRNPD	2.5	0.0167	0.0007
RNU6-45P	4.87	0.0167	0.0007
RNU6-577P	7.26	0.0167	0.0007
RAB5A	-3.26	0.0167	0.0007
AKIP1	-7.04	0.0167	0.0007
RP11-326L2.1	2.15	0.0167	0.0007
CASC5	4.54	0.0167	0.0007
RAB34	-13.34	0.0167	0.0007
DNASE2	-2.75	0.0168	0.0007
SENP2	-3.94	0.0168	0.0007
KIAA1033	3.04	0.0168	0.0007
DLST	-7.68	0.0168	0.0007
SMC6	2.31	0.0168	0.0007
UMAD1	-3.16	0.0168	0.0007
MACROD2; RPS3P1	-3.05	0.0169	0.0007
GLT8D1	-3.28	0.0169	0.0007
HSPA1A; HSPA1B	-4.09	0.0169	0.0007
RNF38	4.34	0.0169	0.0007
CENPF	3.14	0.017	0.0007
FOXJ3	4.8	0.017	0.0007
RP11-110I1.6	3.95	0.017	0.0007
HMGB3	3.33	0.017	0.0007
ODF2L	39.9	0.017	0.0007
GFM2	-4.53	0.017	0.0007
MIR217	2.65	0.017	0.0007
PCCA	3.31	0.017	0.0007
RP11-618K13.2	3.56	0.0171	0.0007
KIAA0391	2.35	0.0171	0.0007
VPS25	-7.23	0.0171	0.0007
C11orf68	-5.97	0.0171	0.0007
SNORD113-4	-7.88	0.0171	0.0007
FRRS1L	-3.44	0.0171	0.0007
TAP1	-4.99	0.0172	0.0007

DBNL; MIR6837	-6.45	0.0172	0.0007
TNFAIP8L1	2.55	0.0172	0.0007
ATP6V0C	-20.21	0.0172	0.0007
AIG1P1	7.47	0.0172	0.0007
TLE4	-5.48	0.0172	0.0007
SLC9A9	-14.51	0.0172	0.0007
ANKRD42	-5.41	0.0173	0.0007
SLX1A-SULT1A3	3.76	0.0173	0.0007
PBX2	-7.42	0.0173	0.0007
RPL7L1	-2.43	0.0173	0.0007
SNX18P9	2.55	0.0173	0.0007
RNA5SP141	2.5	0.0173	0.0007
MALT1	-3.15	0.0173	0.0007
CDH2	4.51	0.0173	0.0007
C11orf49	-4.48	0.0173	0.0007
RP11-177G23.1	2.46	0.0174	0.0007
OSBPL8	-6.51	0.0174	0.0007
COG1	6.61	0.0174	0.0007
MSTN	-2.22	0.0174	0.0007
SGTB	-2.98	0.0174	0.0007
PTPRA; VPS16	-4.37	0.0174	0.0007
TM9SF4	-5.53	0.0174	0.0007
Y_RNA	2.91	0.0174	0.0007
RN7SL655P	2.5	0.0174	0.0007
SLC44A2	-10.41	0.0174	0.0007
MPP6	2.29	0.0174	0.0007
HLA-G	-2.62	0.0175	0.0007
RP11-554A11.4	-3.6	0.0175	0.0007
SYDE1	-3.97	0.0175	0.0007
LYPLA2	-4.11	0.0175	0.0007
RNU7-70P	3.42	0.0175	0.0007
EFNB2	3.7	0.0176	0.0007
KLF10	3.66	0.0176	0.0007
RP11-274H2.5	4.14	0.0176	0.0007
RP11-539L10.3	-5.22	0.0177	0.0007
SND1; SND1-IT1	-3.06	0.0177	0.0007
PGBD1	2.8	0.0177	0.0007
FBN1	-85.29	0.0177	0.0007
FGD1	-2.91	0.0178	0.0007
CHRD1	-11.42	0.0178	0.0007
EMCN	13.44	0.0178	0.0007
NOMO3; NOMO2	-3.24	0.0178	0.0007

MANSC1	3.9	0.0179	0.0007
FAM86B1	-2.74	0.0179	0.0007
RP11-434H6.6	2.52	0.0179	0.0007
ZNF699	-2.12	0.0179	0.0007
KIAA1191	-13.92	0.0179	0.0007
RACGAP1	-3.19	0.0179	0.0007
FOPNL	-2.33	0.018	0.0007
NMRAL1	-7.58	0.018	0.0007
FABP5P3	2.57	0.018	0.0007
RP11-203J24.8	-3.2	0.018	0.0007
MRPS34	-11.78	0.018	0.0007
INAFM2	3.4	0.018	0.0007
CTD-2510F5.4	2.28	0.018	0.0007
DUSP14	-3.9	0.018	0.0007
ANAPC15	-8.47	0.018	0.0007
APH1A	-5.15	0.0181	0.0007
LOC101928020; AC007038.7	3.89	0.0181	0.0007
FAM155A	2.6	0.0181	0.0007
ZNF235	-2.02	0.0181	0.0007
SNAPC5	-3.08	0.0181	0.0007
SETD4	-3.2	0.0181	0.0007
SLC9A8	-2.82	0.0181	0.0007
RP11-253E3.3	2.31	0.0182	0.0007
LHX9	5.1	0.0182	0.0007
MIS12	2.61	0.0182	0.0007
PLEKHO2	-2.92	0.0182	0.0008
TMBIM1; MIR6513	-2.92	0.0182	0.0008
ZMAT5	-5.31	0.0182	0.0008
ZDHHC6	4.87	0.0182	0.0008
TMEM2	2.78	0.0182	0.0008
COQ10A	-5.02	0.0182	0.0008
MAVS	-2.48	0.0182	0.0008
WDFY3-AS1; RP11-147K21.1	12.52	0.0182	0.0008
KIAA1462	6.19	0.0182	0.0008
TCF4	3.48	0.0182	0.0008
RNU7-13P	2.41	0.0182	0.0008
TNFRSF1A	-5.33	0.0182	0.0008
RNU6-118P	13.58	0.0182	0.0008
SECTM1	-4.56	0.0183	0.0008
RAB11B-AS1	3.14	0.0183	0.0008
CDC6	4.25	0.0183	0.0008
Y_RNA	3.42	0.0183	0.0008

MIR30C2	2.3	0.0183	0.0008
FMO4	-2.46	0.0183	0.0008
ALS2CR11	-2.58	0.0183	0.0008
FBXO33	-3.84	0.0184	0.0008
APRT	-12.16	0.0184	0.0008
ANP32E	3.27	0.0184	0.0008
SMAD1-AS2	4.41	0.0184	0.0008
ALPK3	2.72	0.0184	0.0008
TCONS_00017433	-23.43	0.0184	0.0008
RN7SL356P	2.07	0.0184	0.0008
ZNF273	2.14	0.0184	0.0008
MIR4454	3.54	0.0184	0.0008
MIR4454	3.54	0.0184	0.0008
MIR4454	3.54	0.0184	0.0008
PTPN9	-2.33	0.0184	0.0008
NOTCH2NL	-9.71	0.0184	0.0008
FAM21C	-4.51	0.0185	0.0008
RIF1	2.31	0.0185	0.0008
SLC25A26	-5.15	0.0185	0.0008
MIR4454	3.58	0.0185	0.0008
RGMA	-2.46	0.0185	0.0008
CTD-2006H14.2	8.13	0.0186	0.0008
AP000866.1	5.37	0.0186	0.0008
RP11-445N18.5	2.93	0.0186	0.0008
POMT1	-2.45	0.0186	0.0008
MAPKAPK3	-6.48	0.0186	0.0008
VPS26A	-7.19	0.0187	0.0008
CENPW	11.6	0.0187	0.0008
CLK4	-3.95	0.0187	0.0008
NPIP5	4.66	0.0187	0.0008
NDUFAF6	-2.39	0.0188	0.0008
HCG25	-2.7	0.0188	0.0008
DUSP1	-7.34	0.0188	0.0008
FAM27C	2.11	0.0188	0.0008
ARHGEF15	2.41	0.0188	0.0008
ZNF32	-9.39	0.0188	0.0008
SCFD1	-2.71	0.0188	0.0008
AKAP9	4.91	0.0189	0.0008
TPRKB	9.55	0.0189	0.0008
KIF21A	5.1	0.0189	0.0008
ABHD13	2.28	0.0189	0.0008
SEPT7P1	2.1	0.0189	0.0008

USP11	-3.68	0.0189	0.0008
FAM50A	-6.36	0.0189	0.0008
CDK12	3.07	0.019	0.0008
SHCBP1	7.29	0.019	0.0008
RP11-245C17.2	4.06	0.019	0.0008
GTDC1	-2.48	0.019	0.0008
RP4-665J23.1	-2.27	0.019	0.0008
RNA5SP199; AC140677.1	8.82	0.0191	0.0008
SYTL4	3.19	0.0191	0.0008
NRIP1	5.35	0.0191	0.0008
RUFY1	-3.6	0.0191	0.0008
NCOA2	-3.91	0.0191	0.0008
MAN1B1	-6.51	0.0191	0.0008
LRRC37A	2.88	0.0191	0.0008
RAD54B; FSBP	2.77	0.0192	0.0008
OS9	-15.64	0.0192	0.0008
MOK	-7.86	0.0192	0.0008
MIR1282	-2.53	0.0193	0.0008
ZNF780A	3.74	0.0193	0.0008
PITX2	-2.98	0.0193	0.0008
ARL3	-3.09	0.0193	0.0008
NQO2	-5.34	0.0193	0.0008
FUOM	-8.49	0.0193	0.0008
DCBLD1	3.85	0.0193	0.0008
GTF2H2C_2; GTF2H2C; GTF2H2B	-3.54	0.0194	0.0008
PPP3CC	-2.31	0.0194	0.0008
RPS4Y2	2.18	0.0194	0.0008
HTATSF1	-2.58	0.0194	0.0008
SEMA4D	4.82	0.0194	0.0008
FAM74A6	2.88	0.0194	0.0008
SMUG1	-6.47	0.0194	0.0008
RLIMP1	2.59	0.0194	0.0008
VPS26BP1	5.49	0.0194	0.0008
PPIF	-3.55	0.0194	0.0008
ACAD11	-15.32	0.0194	0.0008
ZNF684	-2.37	0.0194	0.0008
COMMD9	-4.77	0.0194	0.0008
TXLNG	-2.48	0.0195	0.0008
C9orf78	-2.74	0.0195	0.0008
DDX10P1	2.76	0.0195	0.0008
MLLT10	3.04	0.0195	0.0008
YWHAZ	-2.19	0.0195	0.0008

RP5-1037N22.2	2.49	0.0196	0.0008
MRPL34	-11.69	0.0196	0.0008
CBL	31.57	0.0196	0.0008
RNY4P24	4.37	0.0196	0.0008
PYM1	-6.92	0.0196	0.0008
SLC25A11	-11.69	0.0196	0.0008
ZNF280B	4.47	0.0196	0.0008
JMJD1C	5.63	0.0197	0.0008
Y_RNA	2.16	0.0197	0.0008
GPS2	-7.3	0.0198	0.0008
KIRREL	-3.94	0.0198	0.0008
ELOVL4	-3.28	0.0198	0.0008
FGF7P1	-2.61	0.0198	0.0008
RP11-712L6.5	2.09	0.0198	0.0008
ARNT2; MIR5572	-3.68	0.0198	0.0009
NGRN; TTLL13P	-5.78	0.0198	0.0009
HAX1	-2.96	0.0198	0.0009
LETMD1	-3.71	0.0199	0.0009
GIPC1	-2.71	0.0199	0.0009
RP1-197B17.5	6.16	0.0199	0.0009
ABCA8	-5.83	0.0199	0.0009
TRAPPC2L	-9.19	0.0199	0.0009
RNA5SP71; AL450304.2	5.57	0.0199	0.0009
URGCP; URGCP-MRPS24	-3.95	0.0199	0.0009
AC017081.1	3.93	0.02	0.0009
ERLEC1	-2.43	0.02	0.0009
RP11-256P1.1	2.83	0.0201	0.0009
RP13-143G15.4	2.53	0.0201	0.0009
ARHGAP42	2.87	0.0201	0.0009
RP11-380G5.2; PTEN	2.21	0.0201	0.0009
CCDC85A	3.49	0.0202	0.0009
PLOD3	-6.37	0.0202	0.0009
NEXN	-7.07	0.0202	0.0009
MLXIP	3.3	0.0202	0.0009
RALA	2.66	0.0202	0.0009
CRISPLD1	2.03	0.0202	0.0009
ORC3	-2.56	0.0202	0.0009
C6orf120	-2.98	0.0202	0.0009
TAPBPL	-3.91	0.0202	0.0009
MIR1273G	3.51	0.0203	0.0009
CTC-558O2.2	-2.61	0.0203	0.0009
C12orf4	-3.06	0.0203	0.0009

RHOQP3	-3.2	0.0203	0.0009
NIT2	-3.6	0.0203	0.0009
BRCA2	3.64	0.0203	0.0009
PLEKHG2	13.74	0.0203	0.0009
DDB1	-5.92	0.0203	0.0009
MSR1	-2.25	0.0204	0.0009
Metazoa_SRP	2.65	0.0204	0.0009
SRPX	-2.39	0.0204	0.0009
WDR46; MIR6873	-4.42	0.0204	0.0009
CALCOCO2	-4.45	0.0204	0.0009
ZNF415	-2.85	0.0204	0.0009
EHMT2	-3.75	0.0204	0.0009
RP11-567G24.3	-2.88	0.0204	0.0009
F8	-4.96	0.0204	0.0009
CTD-2024P10.2	2.39	0.0204	0.0009
EIF2AK1	-3.2	0.0205	0.0009
MTRF1L	2.11	0.0205	0.0009
RP11-732A19.9	-8.76	0.0205	0.0009
RP11-378E13.4	2.37	0.0205	0.0009
SNX30	-2.27	0.0205	0.0009
CBX1	2.53	0.0206	0.0009
RNF212	3.66	0.0206	0.0009
RNF185	-3.44	0.0206	0.0009
SARS	-14.01	0.0206	0.0009
MMP10	9.01	0.0207	0.0009
NIF3L1	-3.81	0.0207	0.0009
MIR548AI	7.87	0.0207	0.0009
LINC00997	3.69	0.0207	0.0009
NUP188	10.96	0.0207	0.0009
RP11-797A18.5	6.08	0.0207	0.0009
RBM26	3.46	0.0207	0.0009
DYNLT3P2	-4.71	0.0207	0.0009
ANAPC1	6.98	0.0208	0.0009
RNU6-737P	5.16	0.0208	0.0009
TEAD1	-17.46	0.0208	0.0009
RABGGTB	2.09	0.0208	0.0009
GTF2H2; GTF2H2B	-3.86	0.0208	0.0009
ABRACL	5.74	0.0208	0.0009
ATP2B4	-13.17	0.0208	0.0009
VEZF1	2.75	0.0208	0.0009
BCL2L11	2.31	0.0209	0.0009
FBLN2	-2.27	0.0209	0.0009

OGG1	-2.55	0.0209	0.0009
FAM86FP	-2.88	0.0209	0.0009
YIPF2	-3.75	0.0209	0.0009
YIPF3	-13.1	0.0209	0.0009
FIP1L1	-2.54	0.0209	0.0009
CAPZA1	-2.92	0.0209	0.0009
LOC400684; AC007773.2	-4.15	0.0209	0.0009
LOC727896	2.47	0.0209	0.0009
MGC24103	4.57	0.0209	0.0009
SH3BGRL	-3.5	0.0209	0.0009
ANKRD12	-4.3	0.021	0.0009
CERS6-AS1	9.3	0.021	0.0009
AC015849.19	2.19	0.021	0.0009
TNFRSF14	-2.05	0.021	0.0009
MIR6747	2.09	0.0211	0.0009
DDX18	2.36	0.0211	0.0009
SOCS5	-4.66	0.0211	0.0009
R3HDM1	5.41	0.0211	0.0009
POLD4	-4.01	0.0211	0.0009
BAHD1	-2.79	0.0212	0.0009
GRN	-3.43	0.0212	0.0009
ABHD14A-ACY1	-3.77	0.0212	0.0009
MRPS9	3.34	0.0212	0.0009
SPAG1	2.22	0.0212	0.0009
CTD-2184D3.6	-2.81	0.0212	0.0009
FASTK	-2.37	0.0212	0.0009
SMAD5-AS1	-2.22	0.0213	0.0009
SESN1	-2.54	0.0213	0.0009
WASH6P; AJ271736.1; AJ271736.10	-2.63	0.0213	0.0009
FANK1	-3.27	0.0213	0.0009
MIR3120	-6.72	0.0213	0.0009
WDR12	2.84	0.0213	0.0009
RNU7-45P	2.98	0.0213	0.0009
PPP2R2A	3.26	0.0213	0.0009
RP11-837J7.4	5.9	0.0213	0.0009
FGF16	5.04	0.0213	0.0009
PDGFB	2.33	0.0214	0.001
TBC1D4	10.58	0.0214	0.001
AC144525.1	-3.26	0.0214	0.001
CCDC58	-6.63	0.0214	0.001
PIP4K2B	-2.79	0.0214	0.001
ZNF576	-3.15	0.0215	0.001

HERPUD1	-10.7	0.0215	0.001
ADAMTSL4	-2.7	0.0215	0.001
SAMD4A	5.59	0.0216	0.001
RP11-680A11.5	-7	0.0216	0.001
NAP1L1	4.41	0.0216	0.001
BBX	2.49	0.0216	0.001
GNPDA1	-4.04	0.0216	0.001
STOM	-3.21	0.0216	0.001
SLC50A1	-15.32	0.0216	0.001
VCL	-14.04	0.0217	0.001
FAM72D	4.42	0.0217	0.001
CCDC68	-2.82	0.0217	0.001
APOC1	-25.96	0.0217	0.001
MRPL20	-5.64	0.0218	0.001
MILR1	-2.4	0.0218	0.001
GFPT1	-5.46	0.0218	0.001
Metazoa_SRP	2.65	0.0219	0.001
MCM8	2.92	0.0219	0.001
RNU6-64P	6.38	0.0219	0.001
PLD2	-2.57	0.0219	0.001
YIPF1	-4.22	0.0219	0.001
C9orf9	-7.91	0.0219	0.001
XAF1	-2.33	0.0219	0.001
ARL5A	2.41	0.022	0.001
AURKAIP1	-10.85	0.022	0.001
RAD23A	-14.81	0.022	0.001
LIPG	4.08	0.022	0.001
KLF12	4.11	0.022	0.001
NACAD	-2.61	0.022	0.001
FGFR1OP2	3.98	0.022	0.001
LMCD1; LINC00312	-2.4	0.022	0.001
TRPM7	-3.07	0.022	0.001
RN7SL430P	3.56	0.0221	0.001
CNBP	-4.83	0.0221	0.001
FOXO1	5.64	0.0221	0.001
ERICH1	4.6	0.0221	0.001
OAF	-4.78	0.0222	0.001
AKR7A2	-4.63	0.0222	0.001
CTD-2006O16.2	4.62	0.0222	0.001
ATL3	-16.96	0.0222	0.001
MIR1-2; MIR133A1; MIR133A1HG	3	0.0223	0.001
CFAP54	7.4	0.0223	0.001

STAT3	2.99	0.0223	0.001
NUCB2	-2.59	0.0223	0.001
WEE1	-7.12	0.0223	0.001
Y_RNA	2.31	0.0223	0.001
SC5D	-3.43	0.0223	0.001
BBS9	-3.4	0.0223	0.001
DYNLRB1	-3.93	0.0224	0.001
CCL27	-5.46	0.0224	0.001
U6	3.45	0.0224	0.001
DDX19A	-5.46	0.0224	0.001
DNPEP	-3.96	0.0225	0.001
MINCR	-5.15	0.0226	0.001
PRSS3	7.14	0.0226	0.001
REEP4	-2.46	0.0226	0.001
RP11-686D22.8	5.84	0.0226	0.001
ADGRF5P2	5.43	0.0226	0.001
SRSF7	3.77	0.0227	0.001
USP30	-10.31	0.0227	0.001
PGLS	-56.86	0.0227	0.001
NCR3LG1	-2.56	0.0227	0.001
GSTA4	-4.67	0.0227	0.001
RNU6-319P	3.92	0.0227	0.001
CTNBL1	3.22	0.0227	0.001
CTD-2168K21.2	-2.13	0.0227	0.001
SNX2	-6.13	0.0227	0.001
ITGB6	-2.15	0.0228	0.001
SSR1	-3.35	0.0228	0.001
SMG1P2	7.77	0.0228	0.001
VPS52	-4.24	0.0228	0.001
RP11-149I23.3	-2.14	0.0228	0.001
PVRL2	5.42	0.0228	0.001
ZNF154	-2.13	0.0228	0.001
HAS2-AS1	-3.13	0.0228	0.001
USP33	-2.21	0.0228	0.001
DUSP3	-12.76	0.0228	0.001
IRF2	-4.24	0.0228	0.001
GMDS	-2.2	0.0228	0.001
RNU6-742P	3.65	0.0228	0.001
CTA-243E7.1	2.18	0.0229	0.0011
LOC728673; GLIDR; RP11-262H14.4	10.42	0.0229	0.0011
SLC29A3	-2.56	0.0229	0.0011
TMEM14B	-4.96	0.0229	0.0011

BDH2	-3.82	0.0229	0.0011
TMEM104	-2.26	0.023	0.0011
RP11-378A13.1	2.16	0.023	0.0011
NPIPB11	5.09	0.023	0.0011
GARS	2.63	0.023	0.0011
EGR2	-3.66	0.023	0.0011
RP11-498C9.15	5.6	0.023	0.0011
DLEU2_6	-2.98	0.023	0.0011
GRK5-IT1; RP11-567J24.4	6.78	0.023	0.0011
LINC00623	-4.24	0.0231	0.0011
ARF6	-2.29	0.0231	0.0011
AC009022.1	2.13	0.0231	0.0011
FTH1P7	-2.91	0.0231	0.0011
ATXN1	11.6	0.0231	0.0011
CICP27	10.21	0.0231	0.0011
OGN	-12.02	0.0232	0.0011
CHCHD3P3	-5.25	0.0232	0.0011
CCAR1; SNORD98	3.47	0.0232	0.0011
SLCO3A1	-6.22	0.0233	0.0011
LINC01235	7.29	0.0233	0.0011
MNT	-2.6	0.0233	0.0011
PPP6R3	-2.9	0.0234	0.0011
LINC00926	6.48	0.0234	0.0011
TCP1; SNORA20; SNORA29	2.45	0.0234	0.0011
SMIM19	-6.13	0.0234	0.0011
VTA1	-2.31	0.0234	0.0011
MIR1238	3.53	0.0234	0.0011
C8orf33	-2.81	0.0235	0.0011
TMEM106C	-9.9	0.0235	0.0011
LOC103908605; RP11-475I24.3	7.4	0.0235	0.0011
Y_RNA	3.12	0.0235	0.0011
TRMT10A	2.88	0.0235	0.0011
ZNF436	-2.29	0.0235	0.0011
THBS1	5.83	0.0235	0.0011
ATP5A1	-11.51	0.0235	0.0011
SMAD3	2.42	0.0235	0.0011
MIR3916	1.98	0.0235	0.0011
MRPL41	-7.54	0.0235	0.0011
DUBR	-2.06	0.0236	0.0011
ATP6V0A4	2.36	0.0236	0.0011
SEMA3A	-2.26	0.0236	0.0011
TSPYL1	-3.04	0.0236	0.0011

EIF4A2P2	-2.41	0.0236	0.0011
ABL1	-5.09	0.0237	0.0011
MIR503HG; MIR424	-2.87	0.0237	0.0011
DDX3X	-6.6	0.0237	0.0011
MIR7641-2; RNA5SP370; AC089983.1	6.09	0.0237	0.0011
ARHGAP28	-2.38	0.0237	0.0011
RSPH3	-2.64	0.0237	0.0011
ZNF433	-2.25	0.0237	0.0011
KRAS	7.23	0.0237	0.0011
ADAMTS1	4.62	0.0238	0.0011
PRKCA	4.51	0.0238	0.0011
RP11-283C24.1	-4.1	0.0238	0.0011
TACC1	4.26	0.0238	0.0011
LOC286437	4.05	0.0238	0.0011
ATP6V1B1-AS1	4.01	0.0238	0.0011
IL32	11.84	0.0238	0.0011
SNORA7	3.81	0.0238	0.0011
KLHDC3	-3.55	0.0238	0.0011
ZMYND8	5.15	0.0239	0.0011
KCNS2	-2.25	0.0239	0.0011
RP11-999E24.3	-2.56	0.0239	0.0011
FOXO3	-3.24	0.0239	0.0011
CPSF7	-4.1	0.024	0.0011
AF038458.5	2.69	0.024	0.0011
PRIM2	-4.12	0.024	0.0011
SCARNA3	2.75	0.024	0.0011
OSBPL2	-4.21	0.024	0.0011
snoU13	4.33	0.024	0.0011
DNAJC2	3.38	0.024	0.0011
OGFR	-2.37	0.024	0.0011
DHRS4	-1.98	0.024	0.0011
CDK9	-4.78	0.024	0.0011
CDC123	-8.35	0.024	0.0011
TEN1; CDK3; TEN1-CDK3	-39.31	0.0241	0.0011
HNRNPA3P9	3.02	0.0241	0.0011
SLCO2A1	2	0.0241	0.0011
Y_RNA	3.2	0.0241	0.0011
DDX5	2.54	0.0241	0.0011
RP11-118F19.1	-2.89	0.0241	0.0011
MRPL43	-18.97	0.0241	0.0011
BST1	-2.3	0.0241	0.0011
NAPA	-48.33	0.0241	0.0011

NR2F2	5.38	0.0241	0.0011
RC3H2	2.25	0.0241	0.0011
ELOVL1; MIR6734	-24.87	0.0241	0.0011
RP5-967N21.11	14.25	0.0242	0.0011
CFAP70	-2.24	0.0242	0.0011
MYLK-AS1	-4.62	0.0242	0.0011
MED29	-10.59	0.0242	0.0011
KIAA0319L	-2.64	0.0242	0.0011
ATP5G2	-38.6	0.0242	0.0011
USP4	-5.49	0.0243	0.0011
RP11-815M8.1	-3.1	0.0243	0.0012
CFAP97	-2.94	0.0243	0.0012
DIP2C	-3.64	0.0243	0.0012
AC074183.3; AC074183.4	2.29	0.0244	0.0012
FAM66B	-2.12	0.0244	0.0012
BTBD1	-2.63	0.0244	0.0012
AC109829.2	2.78	0.0244	0.0012
AC016142.1	2.11	0.0244	0.0012
AL133335.1	2.11	0.0244	0.0012
RNA5SP20	4.35	0.0245	0.0012
RP11-678G15.1	3.26	0.0245	0.0012
HDLBP	-6.54	0.0245	0.0012
PTPRF	3.47	0.0245	0.0012
RP11-727F15.11	-2.55	0.0246	0.0012
RNU6-836P	2.63	0.0246	0.0012
SERP2	-3.66	0.0246	0.0012
MRPS18B	-11.92	0.0248	0.0012
IFNAR1	-2.29	0.0248	0.0012
RNF11	-5.2	0.0248	0.0012
RP11-385D13.3	4.98	0.0248	0.0012
FAM24B	20.28	0.0248	0.0012
RP3-331H24.7	3.48	0.0248	0.0012
RP11-226M10.3	2.11	0.0248	0.0012
RPS6KA2-IT1	2	0.0248	0.0012
SH3D19	-8.8	0.0249	0.0012
LINC01436	-4.46	0.0249	0.0012
NDFIP2	-2.39	0.0249	0.0012
KDELC1	2.72	0.025	0.0012
RAP2C	-2.17	0.025	0.0012
PRR13	-4.97	0.025	0.0012
DIAPH2-AS1	3.16	0.025	0.0012
TMEM50A	-2.17	0.025	0.0012

LINC00323	2.82	0.025	0.0012
TBC1D9B	-6.36	0.025	0.0012
AGTRAP	-4.71	0.0251	0.0012
ARHGEF18	-2.34	0.0251	0.0012
PRKG1-AS1	-2.98	0.0251	0.0012
TFAM	2.15	0.0251	0.0012
FTH1P3	-4.08	0.0251	0.0012
YWHAQ	-4.79	0.0251	0.0012
LRPAP1	-21.47	0.0251	0.0012
ZNF20	-1.97	0.0251	0.0012
Y_RNA	4.04	0.0251	0.0012
PPP5D1	-3.7	0.0252	0.0012
CNNM2	-2.46	0.0252	0.0012
Y_RNA	2.46	0.0252	0.0012
DNAJB9	-2.46	0.0252	0.0012
KCTD18	-4.01	0.0252	0.0012
HIGD2A	-8.48	0.0252	0.0012
METTTL21A	-2.23	0.0252	0.0012
RNU6-199P	6.91	0.0253	0.0012
ELMSAN1	2.75	0.0253	0.0012
TMEM119	-2.45	0.0253	0.0012
SNRNP40	3.63	0.0254	0.0012
ARSD	-2.07	0.0254	0.0012
RUBCN; MIR922	-4.08	0.0254	0.0012
PGAM1	-29.2	0.0254	0.0012
RP11-231C14.4	15.03	0.0254	0.0012
NYNRIN	-2.7	0.0254	0.0012
RP11-881L2.1	2.2	0.0255	0.0012
TSPO	-41.67	0.0255	0.0012
NMNAT1	-2.83	0.0255	0.0012
C1QTNF1	-2.72	0.0255	0.0012
ANK1	-8.86	0.0255	0.0012
RRP8	2.34	0.0255	0.0012
ACOT8	-9	0.0255	0.0012
AC068282.3	-4.15	0.0255	0.0012
PHYHD1	-7.98	0.0256	0.0012
UHRF2	2.46	0.0256	0.0012
SNORD38	3.61	0.0256	0.0012
LCMT2	-2.86	0.0256	0.0012
PALLD	-4.02	0.0256	0.0012
MRPL23	-23.6	0.0257	0.0012
TOR1AIP1	-2.21	0.0257	0.0012

DOCK9	6.47	0.0257	0.0012
MPLKIP	5.07	0.0257	0.0012
CTB-25B13.12	-3.37	0.0257	0.0013
SMIM11A	-9.17	0.0258	0.0013
ATP1B3	3.38	0.0258	0.0013
Y_RNA	2.71	0.0258	0.0013
TBC1D19	-3.75	0.0258	0.0013
ABHD6	-2.14	0.0259	0.0013
GNG12-AS1	5.29	0.0259	0.0013
PACS1	-4.5	0.0259	0.0013
Y_RNA	2.58	0.0259	0.0013
HSD17B7P2	-4.95	0.0259	0.0013
RP11-789C17.5	8.86	0.0259	0.0013
LOC399815	2.4	0.0259	0.0013
RPL23AP55	3.87	0.0259	0.0013
FOSL1	-6.6	0.0259	0.0013
CAMK2G	-2	0.026	0.0013
CTD-2515A14.1	4.78	0.026	0.0013
Y_RNA	23.37	0.026	0.0013
RP11-437J19.1	-2.44	0.026	0.0013
RBM7	-2.79	0.026	0.0013
Mar-01	-2.17	0.026	0.0013
RP11-68I3.5	2.47	0.026	0.0013
RP3-430N8.11	8.09	0.026	0.0013
UQCR11	-3.29	0.0261	0.0013
PIM1	-3.11	0.0261	0.0013
AUH	-3.41	0.0261	0.0013
MAPK7	-4.58	0.0261	0.0013
DCUN1D5	3.82	0.0261	0.0013
RNU4-89P	3.02	0.0261	0.0013
GNS	-4.09	0.0261	0.0013
RTFDC1	-16.69	0.0261	0.0013
CHMP5	-3.75	0.0261	0.0013
NXT2	-2.12	0.0261	0.0013
ADSSL1	-2	0.0261	0.0013
EBPL	4.83	0.0261	0.0013
PHF6	6.28	0.0262	0.0013
Y_RNA	3.19	0.0262	0.0013
RGS9	-2.09	0.0262	0.0013
RN7SL752P	3.82	0.0262	0.0013
NDUFA5P2	2.51	0.0262	0.0013
ST13	-2.25	0.0263	0.0013

MAF	-2.67	0.0263	0.0013
ILK	-15.42	0.0263	0.0013
RP11-656D10.6	3.45	0.0263	0.0013
PPP1CB	-3.23	0.0263	0.0013
AP1S1	-4.81	0.0264	0.0013
RPLP0	-71.25	0.0264	0.0013
DUTP1	2.95	0.0264	0.0013
MRPS12	-16.04	0.0264	0.0013
CXXC5	-3.02	0.0264	0.0013
IAH1	-4.79	0.0264	0.0013
DENND2C	-2.15	0.0264	0.0013
SNORA70G	25.31	0.0265	0.0013
RHOBTB2	-4.13	0.0265	0.0013
MSX2	-3.16	0.0265	0.0013
COPG1	-2.47	0.0265	0.0013
ISG15	-5.63	0.0266	0.0013
AF127577.10	4.89	0.0266	0.0013
OLFM1	-3.6	0.0266	0.0013
SDC3	-5.01	0.0266	0.0013
KLF8	-2.63	0.0267	0.0013
BRK1	-21.38	0.0267	0.0013
RP11-425D17.2	2.86	0.0267	0.0013
RP11-164C12.2	2.39	0.0267	0.0013
RP11-534L6.2	2.17	0.0267	0.0013
WHAMMP1	-2.22	0.0267	0.0013
SPTLC3	-3.82	0.0267	0.0013
RP11-775C24.5	3.39	0.0267	0.0013
RP11-101E7.2	3	0.0267	0.0013
LOC105370809; RP11-227D13.1	-2.16	0.0268	0.0013
Y_RNA	2.99	0.0268	0.0013
Y_RNA	2.99	0.0268	0.0013
RN7SL172P	2.58	0.0268	0.0013
LRRC16A	-7.49	0.0268	0.0013
RP4-555D20.2	-6.65	0.0269	0.0013
RP11-63A1.4	3.65	0.0269	0.0013
AC006129.1	-3.87	0.0269	0.0013
RAB33A	-2.52	0.0269	0.0013
FAM206A	-4.05	0.027	0.0013
CAB39L	-3.05	0.027	0.0013
BCAR3	3.82	0.027	0.0014
DNAJC9	3.51	0.027	0.0014
RFC3	2.94	0.027	0.0014

COX7A2L	-7.1	0.027	0.0013
RBM33	3.13	0.027	0.0014
TAF10	-7.61	0.027	0.0014
DDX10	2.65	0.0271	0.0014
SREK1	3.61	0.0271	0.0014
RP4-771M4.3	1.98	0.0271	0.0014
EXT1	-2.43	0.0271	0.0014
CCDC94	-3.26	0.0271	0.0014
EIF3D	-17.78	0.0271	0.0014
EYA4	-2.09	0.0271	0.0014
RN7SL488P	2.83	0.0271	0.0014
RP11-226L15.5	6.97	0.0272	0.0014
MIR197	2.34	0.0272	0.0014
RAB3A	-2.63	0.0272	0.0014
ARHGAP23	3.44	0.0272	0.0014
RNU6-1065P	2.3	0.0272	0.0014
RP11-258C19.7	4.93	0.0272	0.0014
LOC103908605; GLIDR; RP11-211N8.2	2.62	0.0272	0.0014
ZNF705A; FAM66C	-2.44	0.0272	0.0014
EVI2A; EVI2B	2.99	0.0274	0.0014
RNU5B-2P	2.67	0.0274	0.0014
RNF121	2.37	0.0275	0.0014
AC009060.2	8.01	0.0275	0.0014
DNAJC19	-3.21	0.0275	0.0014
RP11-624L4.1	2.66	0.0275	0.0014
MTCH1	-22.85	0.0275	0.0014
RNU6-854P	2.92	0.0275	0.0014
HMBS	-3.19	0.0276	0.0014
MYO1C	-8.01	0.0276	0.0014
MAN2B2	-9.28	0.0277	0.0014
NUDCD2	4	0.0278	0.0014
ZHX1-C8orf76	-3.38	0.0278	0.0014
RAP1BP1	2.46	0.0278	0.0014
RP11-798G7.7	3.15	0.0278	0.0014
RNU5B-4P	2.24	0.0278	0.0014
YWHAG	2.14	0.0278	0.0014
WDR78	-4.26	0.0278	0.0014
U2AF1	2.83	0.0279	0.0014
CYP39A1	-2.19	0.0279	0.0014
LONP2	-2.57	0.0279	0.0014
RP1-142L7.8	19.58	0.0279	0.0014
TSPYL4	2.1	0.0279	0.0014

SZRD1	-14.05	0.028	0.0014
PLAC4	2.21	0.028	0.0014
GINS2	3.15	0.028	0.0014
HRSP12	-3.63	0.028	0.0014
PTGFRN	-4.89	0.028	0.0014
RNU6-1285P	2.35	0.0281	0.0014
CTD-2154I11.2	-3.34	0.0281	0.0014
LOC101927356; MIR1255B1; AC006145.4	2.7	0.0281	0.0014
ACO2	-12.7	0.0281	0.0014
CACNA1A	-15.99	0.0282	0.0014
KCNJ2	-6.72	0.0282	0.0014
TYMS	3.83	0.0282	0.0014
CCNE2	3.35	0.0282	0.0014
AIMP1	-2.82	0.0283	0.0014
FAM229B	-6.59	0.0283	0.0014
GSPT1	2.51	0.0284	0.0014
RNA5SP108	2.41	0.0284	0.0015
SNORA57	5.79	0.0284	0.0015
RPS6KA3	3	0.0284	0.0015
RP11-157H4.1	2.25	0.0284	0.0015
ARPC4-TTLL3	-9.44	0.0284	0.0015
RNU6-1164P	1.85	0.0284	0.0015
UNC119	-13.95	0.0284	0.0015
CUEDC2	-15.14	0.0285	0.0015
HNRNPU-AS1	13.59	0.0285	0.0015
GPD2	-2.7	0.0285	0.0015
TMEM35	-4.91	0.0285	0.0015
SEPT7P3	-3.48	0.0286	0.0015
KIAA1199	-10.68	0.0286	0.0015
EMC4	-2.72	0.0286	0.0015
RNA5SP53	3.83	0.0286	0.0015
LINC01176	2.31	0.0287	0.0015
GPATCH11	2.5	0.0287	0.0015
MIR6746	-4.63	0.0287	0.0015
RP11-452H21.2	2.03	0.0287	0.0015
ARMCX5-GPRASP2	-2.08	0.0287	0.0015
STAT6	-7.24	0.0287	0.0015
Y_RNA	2.23	0.0287	0.0015
CPD	7.54	0.0287	0.0015
CTD-2184D3.5	2.55	0.0287	0.0015
ADCY10P1	2.66	0.0287	0.0015
BUB1	3.17	0.0287	0.0015

C1orf198	-2.4	0.0288	0.0015
PSMD8	-20.42	0.0288	0.0015
RP11-700J17.2	5.33	0.0289	0.0015
LIMK1	-2.26	0.0289	0.0015
ZBED5-AS1	-5.33	0.0289	0.0015
TYRP1	2.54	0.029	0.0015
POR; MIR4651	-3.91	0.029	0.0015
CTD-2369P2.8	1.98	0.029	0.0015
APAF1	2.94	0.029	0.0015
PUDP	-2.57	0.029	0.0015
CDC16	-2.93	0.029	0.0015
CAPRIN1	-4.56	0.029	0.0015
ARMT1	-2.5	0.029	0.0015
ROBO4	7.25	0.029	0.0015
MAP1LC3A	-3.38	0.0291	0.0015
RAD17	-5.77	0.0292	0.0015
KCTD1	1.93	0.0292	0.0015
RN7SKP80	-2.08	0.0292	0.0015
RP1-292L20.3	-2.08	0.0292	0.0015
CREM	3.54	0.0293	0.0015
DERL2	-5.3	0.0294	0.0015
CRAT	-4.8	0.0294	0.0015
MIR103A2	3.38	0.0295	0.0015
AL135745.1	2.76	0.0295	0.0015
TUBGCP3	2.18	0.0295	0.0015
RP11-342M21.2	2.05	0.0296	0.0015
POP4	-2.31	0.0296	0.0015
MIR548N	36.42	0.0296	0.0015
ZNF711	2.76	0.0296	0.0015
RNU6-795P	2.94	0.0296	0.0015
CAMSAP2	2.99	0.0296	0.0015
AES	-2.68	0.0297	0.0015
CARD8-AS1	5.48	0.0297	0.0015
RBM8A	3.63	0.0297	0.0015
RP11-1102P22.1	-3.46	0.0297	0.0015
RP11-23E10.3	2.31	0.0297	0.0015
IL6	2.8	0.0297	0.0016
NCOA4	-5.82	0.0298	0.0016
RAB9A	-2.81	0.0298	0.0016
DAW1	2.38	0.0298	0.0016
SNORD93	3.02	0.0298	0.0016
SLC35F2	2.61	0.0299	0.0016

CTB-96E2.7	2.85	0.0299	0.0016
ADD1	-6.35	0.0299	0.0016
RNU7-81P	1.91	0.0299	0.0016
MBOAT1	-2.19	0.03	0.0016
SEC31A	-4.93	0.03	0.0016
TMEM55B	-3.88	0.03	0.0016
IARS2	-2.36	0.03	0.0016
FMO5	-2.45	0.03	0.0016
CTC-498J12.1	3.88	0.03	0.0016
COX14	-9.68	0.0301	0.0016
NUB1	-3.31	0.0302	0.0016
RP11-416A14.1	2.55	0.0302	0.0016
MIEN1	-9.5	0.0302	0.0016
KRTAP9-9	-1.93	0.0302	0.0016
NSDHL	-5.82	0.0302	0.0016
RNU7-1; U47924.31	-4.82	0.0303	0.0016
GATAD2A; MIR640	3.49	0.0303	0.0016
POLDIP3	-2.38	0.0303	0.0016
LAGE3	-6.94	0.0303	0.0016
LY6G5B; CSNK2B	-4.04	0.0303	0.0016
XXcos-LUCA16.1	3.03	0.0304	0.0016
RNU6-531P	2.9	0.0305	0.0016
GXYLT2	-3.39	0.0305	0.0016
TRAPPC12	-2.89	0.0305	0.0016
SLC35E2	-5.09	0.0305	0.0016
ATP9A	-2.76	0.0305	0.0016
VPS4A	-2.56	0.0305	0.0016
CTD-2574D22.4	3.43	0.0305	0.0016
AL022328.1	-7.2	0.0305	0.0016
SEPW1	-38.13	0.0305	0.0016
IDH3G	-11.51	0.0306	0.0016
GUCY1A2	-4.55	0.0306	0.0016
PER3	-9.23	0.0306	0.0016
LINC-PINT	-3.01	0.0307	0.0016
CSTF3	2.15	0.0307	0.0016
LOXL1-AS1	-2.06	0.0307	0.0016
EFNA5	-4.46	0.0308	0.0016
ODC1; SNORA80B	7.51	0.0308	0.0016
RNF4	-8.42	0.0309	0.0016
CTB-58E17.3	1.99	0.0309	0.0016
LIPC	-2.75	0.0309	0.0016
UBAC2	-3.38	0.0309	0.0016

HNRNPR	2.54	0.0309	0.0016
LTA4H	3.26	0.0309	0.0016
BACE2-IT1; AL773572.8	3.61	0.0309	0.0016
RP1-239B22.5	5.7	0.031	0.0016
YTHDC1	2.83	0.031	0.0016
GOLGA4	-2.49	0.031	0.0016
CDC42BPA	6.02	0.031	0.0016
CLDN14	1.87	0.031	0.0016
BET1L	-8.25	0.031	0.0016
GTF2H2	-2.9	0.031	0.0016
MMGT1	-2.33	0.031	0.0016
BEST1	-2.2	0.0311	0.0017
RP11-95P13.1	-2.5	0.0311	0.0017
RP11-531A24.7	2.63	0.0311	0.0017
CDK16	-9.36	0.0311	0.0017
ZNF146	3.8	0.0311	0.0017
CINP	-9.2	0.0311	0.0017
SMG9	-2.73	0.0312	0.0017
PPP1R42	-3.63	0.0312	0.0017
MSRB3	-2.52	0.0312	0.0017
DOCK6	4.04	0.0312	0.0017
MIR548V	6.02	0.0312	0.0017
DNAJC3	2.75	0.0313	0.0017
FAM60BP	2.21	0.0313	0.0017
RANBP9	-2.45	0.0314	0.0017
MIR6859-2; MIR6859-4; WASH4P	-2.47	0.0314	0.0017
TMEM120B	-2.04	0.0314	0.0017
ISYNA1	3.68	0.0314	0.0017
UBL3	-5.32	0.0314	0.0017
LINC01550	-5.18	0.0314	0.0017
PLEKHJ1; MIR6789	-2.72	0.0314	0.0017
EPST11	-7.97	0.0314	0.0017
PQLC3	-2.28	0.0315	0.0017
PKD2	-18.13	0.0315	0.0017
CTD-2636A23.2	-3.75	0.0315	0.0017
PDSS1	4.29	0.0315	0.0017
UAP1	3.04	0.0315	0.0017
GID4	-2.12	0.0315	0.0017
PSMB10	-8.53	0.0316	0.0017
SMIM11A	-9.65	0.0316	0.0017
FAM63B	-6.87	0.0316	0.0017
RP11-269F20.1	3.24	0.0316	0.0017

LAMTOR5	-3.63	0.0316	0.0017
CKS1B	3.99	0.0316	0.0017
SMG1	3.32	0.0316	0.0017
SF3B4	-4.71	0.0316	0.0017
CREB3	-19.97	0.0316	0.0017
ADAM10	-4.85	0.0317	0.0017
SLC35E2B	-5.27	0.0317	0.0017
CCDC34P1	2.26	0.0318	0.0017
CAP1	-9.99	0.0318	0.0017
ZNF491	-3.23	0.0318	0.0017
THOC2	4.73	0.0318	0.0017
TOB2	-2.03	0.0319	0.0017
NAGK	-19.81	0.0319	0.0017
STUB1	-3.84	0.0319	0.0017
CTA-390C10.10	1.91	0.0319	0.0017
DSE	-3.56	0.0319	0.0017
RNU6-301P	2.31	0.032	0.0017
TBC1D8B	-3.31	0.032	0.0017
ARSJ	4.42	0.032	0.0017
SLC35C1	-4.05	0.032	0.0017
NEK7	2.58	0.032	0.0017
RP11-119K6.6	2.66	0.032	0.0017
CTD-2609K8.3	2.17	0.0321	0.0017
MMP19	-2.74	0.0321	0.0017
XRCC1	-3.39	0.0321	0.0017
SERHL2	-3.21	0.0321	0.0017
BABAM1	-15.06	0.0321	0.0017
FMN2; ADH5P3	-22.91	0.0321	0.0017
AKAP13; MIR7706	3.99	0.0321	0.0017
TMEM87A	-3.03	0.0322	0.0017
PHF21A	-2.71	0.0322	0.0017
RP11-818F20.5	2.54	0.0322	0.0017
TBL2	-6.49	0.0323	0.0017
RNA5SP343	3.49	0.0323	0.0017
CD83	-8.45	0.0323	0.0017
LSM10	-5.45	0.0323	0.0017
MIR29A; MIR29B1; LINC-PINT	-2.43	0.0324	0.0018
IFT81	-2.75	0.0324	0.0018
FSTL1; MIR198	-3.3	0.0324	0.0018
RASL11A	-2.4	0.0325	0.0018
SOX5	-1.94	0.0325	0.0018
SLC30A5	-4.39	0.0325	0.0018

LRRN4CL	-3.91	0.0325	0.0018
NAT1	-2.57	0.0325	0.0018
BPHL	-5.46	0.0325	0.0018
ABHD14A	-2.18	0.0326	0.0018
S100A10	-2.32	0.0326	0.0018
U91328.21	-2.76	0.0326	0.0018
MAPRE2	5.99	0.0326	0.0018
RP11-554E23.4	3.11	0.0327	0.0018
MTOR	3.43	0.0327	0.0018
PABPC4	-4.44	0.0327	0.0018
MESDC2	-3.28	0.0327	0.0018
HELZ	2.49	0.0327	0.0018
PNLIPRP3	-4.86	0.0327	0.0018
LRP6	2.32	0.0327	0.0018
CTC-506B8.1	-3.65	0.0327	0.0018
TSPAN18	6.26	0.0328	0.0018
JMJD8	-10.34	0.0328	0.0018
LINC00476	2.02	0.0328	0.0018
SEC62-AS1; RP11-379K17.7	3.14	0.0328	0.0018
CASP8	-3.3	0.0328	0.0018
WDR74	-2.36	0.0328	0.0018
RP11-433J22.2	2.96	0.0328	0.0018
DTX4	-2.12	0.0328	0.0018
SLC29A2	-2.17	0.0328	0.0018
GULP1	-2.94	0.0328	0.0018
DHPS	-3.91	0.0328	0.0018
CIRBP	-19.36	0.0328	0.0018
ECI1	-10.92	0.0329	0.0018
ENPP1	-2.9	0.0329	0.0018
MAP3K7CL	-2.86	0.0329	0.0018
TRIM39-RPP21	-5.89	0.0329	0.0018
SNORD99	11.93	0.0329	0.0018
EFHC2	-1.88	0.0329	0.0018
CTA-109P11.4	-3.04	0.033	0.0018
TSNAX-DISC1	-1.82	0.033	0.0018
TRIM33	9.65	0.0331	0.0018
AC108925.1	2.27	0.0331	0.0018
CNP	-2.07	0.0331	0.0018
PDXDC1	-2.01	0.0331	0.0018
POGLUT1	-2.97	0.0331	0.0018
RPP21	-6.97	0.0331	0.0018
LOC101927211; RP11-203B9.4	2.28	0.0332	0.0018

DDT	-12.44	0.0332	0.0018
CCDC126	9.24	0.0332	0.0018
KEAP1	-2.7	0.0333	0.0018
GNE	-1.87	0.0333	0.0018
HMBS	-2.03	0.0333	0.0018
Metazoa_SRP; RN7SL3	-3.51	0.0334	0.0018
TP63	-2.32	0.0334	0.0018
DMGDH	-2.69	0.0335	0.0018
TMEM60	-5.23	0.0335	0.0018
FBXW7	3.96	0.0335	0.0018
LSM7	-47.75	0.0335	0.0018
MSN	3.15	0.0336	0.0018
ZNF518B	3.62	0.0336	0.0018
CCDC124	-4.25	0.0336	0.0018
RP6-99M1.3	20.04	0.0336	0.0019
MDFIC	-6.08	0.0336	0.0019
RP11-74D7.3	2.62	0.0336	0.0019
SPCS3	4.34	0.0337	0.0019
NREP	2.05	0.0337	0.0019
CCR1	-1.84	0.0337	0.0019
TRAK2	-3.3	0.0337	0.0019
PPP5C	-5.34	0.0338	0.0019
NDUFA5	2.73	0.0338	0.0019
FAM162B	-2.68	0.0338	0.0019
PIGBOS1; RAB27A	-1.81	0.0339	0.0019
DENND2D	-2.37	0.0339	0.0019
FGFR1	-3.07	0.0339	0.0019
NDST2	-3.41	0.0339	0.0019
TANGO2	-2.33	0.0339	0.0019
NSFL1C	-12.26	0.0339	0.0019
TUBG2	-5.52	0.0339	0.0019
CRIM1	5.73	0.0339	0.0019
AC007317.1	-2.13	0.0339	0.0019
PSME2; MIR7703	-3.75	0.0339	0.0019
PSMC6	6.62	0.0339	0.0019
PGAP1	4.39	0.034	0.0019
NSMCE1	-11.49	0.034	0.0019
RNF168	2.19	0.0342	0.0019
Y_RNA	5.11	0.0342	0.0019
TMEM198B	-2.02	0.0342	0.0019
PAX3	-2.01	0.0342	0.0019
TMOD3	2.8	0.0343	0.0019

POLD2	-14.52	0.0343	0.0019
ARSK	-3.48	0.0343	0.0019
VTI1B	-3.55	0.0343	0.0019
ZNF439	-2.15	0.0343	0.0019
SEMA7A	-2.89	0.0343	0.0019
HSD17B6	-1.87	0.0344	0.0019
RP11-19E18.2	4.43	0.0344	0.0019
KMT5A	-3.35	0.0344	0.0019
MAT2B	2.24	0.0344	0.0019
GPAA1	-4.29	0.0344	0.0019
PPIL3	-3.6	0.0344	0.0019
RNU6-43P	3.64	0.0344	0.0019
NCOR2	2.38	0.0345	0.0019
SRF	-3.17	0.0345	0.0019
RNU5D-2P	-12.31	0.0345	0.0019
RNU6-1243P	2.57	0.0345	0.0019
FLNA	-3.93	0.0346	0.0019
RP11-23E10.2	2.76	0.0346	0.0019
TNFAIP2	-2.16	0.0346	0.0019
CXorf56	-2.64	0.0346	0.0019
LINC01272	-9.85	0.0346	0.0019
ATG4A	2.09	0.0346	0.0019
HK1	-5.45	0.0346	0.0019
ICMT	-3.71	0.0347	0.0019
RP11-342K6.2	6.2	0.0347	0.0019
ATP5D	-6.09	0.0347	0.0019
ZNF830	4.76	0.0347	0.0019
LOC100233156	-2.83	0.0347	0.0019
CXorf40A	-3.19	0.0348	0.0019
ZYX	-4.05	0.0348	0.0019
RNA5SP191	2.33	0.0348	0.0019
FBXW4	-2.93	0.0348	0.002
PORCN	-2.28	0.0348	0.002
KIAA0368	2.04	0.0348	0.002
HDX	3.17	0.0348	0.002
RP11-160E2.21	2.03	0.0349	0.002
RNU6-698P	2.24	0.0349	0.002
POLA1	3.56	0.0349	0.002
MSANTD4	-6.5	0.0349	0.002
SCRN1	-4.36	0.0349	0.002
METAP1	-2.22	0.035	0.002
HYOU1	3.13	0.035	0.002

LASP1	-5.7	0.035	0.002
PENK	-1.93	0.035	0.002
IST1	-9.87	0.035	0.002
SDPR	4.81	0.0352	0.002
AL365202.1	1.8	0.0352	0.002
RP11-801F7.1	2.08	0.0352	0.002
RN7SKP79	-4.14	0.0352	0.002
MTX1	-8.06	0.0352	0.002
MRPS24	-11.11	0.0352	0.002
CALD1	-8	0.0353	0.002
TCERG1	6.39	0.0353	0.002
RP11-392O17.1	-2.19	0.0354	0.002
SMC5	3.7	0.0355	0.002
CNPY4	-2.97	0.0355	0.002
RP11-802O23.3	-2.43	0.0355	0.002
UBE2D4	-1.82	0.0355	0.002
MDH2	-23.04	0.0355	0.002
SNORA72	2.54	0.0356	0.002
SESN3	-5.12	0.0356	0.002
CTDSPL	-2.86	0.0356	0.002
SLC25A12	-2.06	0.0356	0.002
RNF187	-3.08	0.0357	0.002
TEX15	1.88	0.0357	0.002
ZDHHC1	-4.39	0.0357	0.002
CCNB1	6.76	0.0357	0.002
ATR	5.88	0.0357	0.002
RNU4-31P	3.38	0.0357	0.002
RNU2-28P	5.48	0.0357	0.002
STIL	2.47	0.0357	0.002
CTC-575I10.1	2.04	0.0358	0.002
RNU6-266P	1.95	0.0358	0.002
RP5-890E16.4	3.35	0.0358	0.002
HSPC324; RP11-251M1.1	1.81	0.0358	0.002
TMEM14A	-2.75	0.0358	0.002
LYPLA1P3	3.38	0.0359	0.002
snoU109	2.57	0.0359	0.002
MTUS2	-2.99	0.0359	0.002
KIAA0101; CSNK1G1	5.78	0.0359	0.002
C1orf43	-17.23	0.0359	0.002
CTD-2035E11.5	2.57	0.036	0.002
ASCC2	-2.89	0.036	0.002
LRRC42	-2.56	0.036	0.002

STS	-27.38	0.036	0.002
PTRF	-4.94	0.036	0.002
MIR7641-2; RNA5SP352; AP001524.1	2.92	0.036	0.002
MMS19	-2.78	0.036	0.0021
IFFO1	-2.6	0.0361	0.0021
C9orf64	-2.9	0.0361	0.0021
RNU6-553P	2.9	0.0361	0.0021
RP11-90C4.1	-2.12	0.0361	0.0021
PSME1	-4.02	0.0362	0.0021
PKMYT1	2.69	0.0362	0.0021
CTD-2145A24.5	2.57	0.0362	0.0021
SPRY4-IT1	7.02	0.0364	0.0021
SH3BP5-AS1	4.39	0.0364	0.0021
TRAPPC6A	-2.88	0.0364	0.0021
LRRC4	1.89	0.0364	0.0021
PEG10	-2.12	0.0365	0.0021
HIST2H2AC	-7.86	0.0365	0.0021
RN7SL285P	3.09	0.0365	0.0021
ATP5G2P4	-2.76	0.0365	0.0021
RNU6-727P	3.87	0.0366	0.0021
Y_RNA	2.4	0.0366	0.0021
SNORA64	2.1	0.0366	0.0021
RP11-278C7.4	2.98	0.0366	0.0021
RP11-257O5.2	4.87	0.0367	0.0021
RPL21P44	3.77	0.0367	0.0021
ODCP	1.95	0.0367	0.0021
RP4-604K5.3	2.97	0.0367	0.0021
TRIM21	-2.61	0.0367	0.0021
IFI35	-3.7	0.0367	0.0021
TTF2	5.7	0.0367	0.0021
MTO1	-4.1	0.0368	0.0021
TIMMDC1	-2.2	0.0368	0.0021
HAUS1	6.2	0.0369	0.0021
VPS33A	-3.46	0.0369	0.0021
IDNK	-3.76	0.0369	0.0021
SPTSSA	-3.43	0.0369	0.0021
ZDHHC16	-4.26	0.0369	0.0021
TRAM2	-12.47	0.0369	0.0021
BNIP1	-3.44	0.037	0.0021
SLC25A28	-2.29	0.037	0.0021
SLC39A4	-3.64	0.037	0.0021
FKBP7	-3.12	0.037	0.0021

PRTG	2.32	0.037	0.0021
DNMT3A	3.42	0.0371	0.0021
EID3	3.17	0.0371	0.0021
RP11-102N12.2	2	0.0372	0.0021
LRRC37BP1	3.74	0.0373	0.0022
RPL17P17	2.49	0.0373	0.0022
C12orf56	-2.23	0.0374	0.0022
TPRA1	-2.66	0.0374	0.0022
Metazoa_SRP	1.94	0.0374	0.0022
KIF15	2.6	0.0374	0.0022
RN7SL487P	2.75	0.0375	0.0022
ZNF671	-2.14	0.0375	0.0022
TUBB4A	-3.09	0.0375	0.0022
MANSC1	3.45	0.0375	0.0022
NEK3	2.21	0.0375	0.0022
OAS2	-3.13	0.0375	0.0022
RP11-109D20.2	2.15	0.0376	0.0022
MTMR14	-4.79	0.0376	0.0022
GTF2IP1; GTF2IP4	-3.42	0.0376	0.0022
LAP3	-5.56	0.0376	0.0022
RP11-805L22.3	2.35	0.0376	0.0022
DGUOK	-4.62	0.0376	0.0022
ZHX3	-4.8	0.0377	0.0022
CTC-444N24.11	31.65	0.0377	0.0022
ID3	5.39	0.0377	0.0022
TCONS_I2_00029211	-2.19	0.0377	0.0022
TNFAIP6	-5.38	0.0377	0.0022
DNPH1	-3.5	0.0377	0.0022
ATF6B	-7.3	0.0377	0.0022
BORCS7	-4.51	0.0377	0.0022
UBL5	-2.57	0.0378	0.0022
CD200	4.32	0.0378	0.0022
RP11-20I23.6	2.12	0.0379	0.0022
LOC100129216	2.11	0.038	0.0022
VDAC1	-3.6	0.038	0.0022
VDR	-5.57	0.038	0.0022
MACF1; KIAA0754	6.14	0.038	0.0022
ATG14	-3.05	0.038	0.0022
PPP1R2	-2.81	0.038	0.0022
RP11-302F12.10	2.09	0.038	0.0022
RNPS1P1	-2.89	0.0381	0.0022
PDE4D	3.26	0.0381	0.0022

RP11-30L3.2	2.22	0.0381	0.0022
HMGB1P24	2.06	0.0381	0.0022
LRRC2	-2.01	0.0382	0.0022
TRIM23	-2.66	0.0382	0.0022
SAMD12	-2.21	0.0383	0.0022
RAB4B; MIA-RAB4B; RAB4B-EGLN2	-3.94	0.0383	0.0022
ENAH	3.19	0.0383	0.0022
INPP5D	3.83	0.0383	0.0022
RP11-463I20.1	2.89	0.0384	0.0022
GCNT7	1.75	0.0384	0.0022
LINC00856	-1.95	0.0384	0.0022
FLG-AS1	-4.33	0.0384	0.0022
SNORA14A	-22.58	0.0384	0.0022
RP11-294J22.6	3.75	0.0384	0.0023
ART3	-1.84	0.0384	0.0023
C21orf33	-2.37	0.0384	0.0023
AC243945.1	2.08	0.0384	0.0023
APTX	-3.62	0.0384	0.0023
BRE	-4.34	0.0384	0.0023
DCAF4	-2.07	0.0384	0.0023
MRPS18A	-12.72	0.0384	0.0023
KIAA0355	2.38	0.0385	0.0023
SNORD65	1.96	0.0385	0.0023
DGCR2; DGCR11	-2.13	0.0385	0.0023
H2BFXP	4.15	0.0385	0.0023
SNORA12	2.45	0.0385	0.0023
MCCC1	-5.14	0.0385	0.0023
CTD-2357A8.2	2.27	0.0386	0.0023
RRN3P1	4.11	0.0386	0.0023
PXMP4	-2.78	0.0386	0.0023
KDM1B	-4.49	0.0386	0.0023
SH3BP5	4.44	0.0386	0.0023
POP1	4.27	0.0386	0.0023
AC108488.4	3.06	0.0387	0.0023
PHACTR1	-3.29	0.0387	0.0023
SEPT7P5	-1.83	0.0387	0.0023
CUL4A	-2.33	0.0387	0.0023
RP4-551N11.1	2.33	0.0387	0.0023
ZMAT2	-6.28	0.0387	0.0023
NPIP4	5.48	0.0387	0.0023
INTS2	5.03	0.0388	0.0023
PTK2	4.03	0.0388	0.0023

RBM17	2.55	0.0388	0.0023
MKLN1	-3.58	0.0388	0.0023
SUMO3	-3.6	0.0388	0.0023
AC004813.1	3.59	0.0389	0.0023
ALDH1B1	-2.42	0.0389	0.0023
GALT	-3.67	0.0389	0.0023
PRSS3P1	2.43	0.039	0.0023
TMCO4	-1.81	0.039	0.0023
SLC12A4	-3.74	0.039	0.0023
BCL2L14	1.99	0.039	0.0023
RMND5A	1.75	0.039	0.0023
PFKFB2	-2.14	0.039	0.0023
SEC13	-30.81	0.039	0.0023
ARL13A	2.42	0.039	0.0023
CNKSR2	-2.82	0.039	0.0023
ACTR3	-2.54	0.039	0.0023
PTPN23	-2.18	0.0391	0.0023
RP11-363E7.4	4.04	0.0391	0.0023
TENM3	2.73	0.0391	0.0023
PDF; COG8; TMED6	-2.08	0.0391	0.0023
LOC102724050; LINC01154; RP11-753H16.3; RP11-753H16.5; RP	4.76	0.0391	0.0023
RNA5SP82	5.43	0.0392	0.0023
HSPG2	17.24	0.0392	0.0023
RNU6-1331P	2.02	0.0392	0.0023
MFSD10	-4.2	0.0392	0.0023
HLA-DPA1	-6.27	0.0392	0.0023
MPI	-2.31	0.0394	0.0023
ZFPM2	5.21	0.0394	0.0023
UVRAG	2.97	0.0394	0.0023
SYNGR1	-4.38	0.0395	0.0023
CACNA2D1	3.69	0.0395	0.0023
FAM66E	-1.99	0.0395	0.0023
TIFA	3.74	0.0395	0.0023
FBXO44	-3.49	0.0395	0.0023
EPS15	-3.1	0.0395	0.0024
SCAND1	-3.68	0.0395	0.0024
CTDNEP1	-16.26	0.0395	0.0024
MRPL53P1	6.23	0.0396	0.0024
COQ7	-1.91	0.0397	0.0024
AP003419.16	-2.13	0.0397	0.0024
SMG1P7	6.69	0.0397	0.0024
TSNAX	-2.17	0.0398	0.0024

CCDC144CP	-6.15	0.0398	0.0024
RP11-732M18.2	2	0.0398	0.0024
VIM-AS1	-1.88	0.0398	0.0024
RCAN1	-4.81	0.0399	0.0024
WBP5	-2.65	0.04	0.0024
RP11-542C16.1	-4.55	0.04	0.0024
Y_RNA	3.24	0.0401	0.0024
IP6K2	-4.44	0.0401	0.0024
NBPF3	-4.71	0.0401	0.0024
F2RL1	2.68	0.0402	0.0024
B3GAT2	2.48	0.0402	0.0024
GMPR2	-5.28	0.0402	0.0024
RNU6-80P	1.77	0.0402	0.0024
DBIP1	-2.29	0.0403	0.0024
CSNK1G2	-3.83	0.0403	0.0024
GPX1P2	-6.38	0.0403	0.0024
WDR25	-3.74	0.0403	0.0024
SNRPD1	5.97	0.0403	0.0024
IFT80	-5.96	0.0403	0.0024
ZNF528	-2.12	0.0404	0.0024
RNA5SP212	2.77	0.0404	0.0024
TMEFF2	-5.89	0.0404	0.0024
DDA1	-7.48	0.0404	0.0024
MEIS3	-3.03	0.0404	0.0024
EMP2	-4.88	0.0404	0.0024
CCL5	-7	0.0404	0.0024
CNOT2	-2.97	0.0405	0.0024
LYRM2	-3.19	0.0405	0.0024
RNU6-1067P	3.11	0.0405	0.0024
RP11-111F5.3	1.99	0.0405	0.0024
LCMT1	-4.24	0.0405	0.0024
RP11-286H14.8	9.24	0.0406	0.0024
CTC-529I10.1	19.42	0.0406	0.0024
CC2D2A	-3.51	0.0406	0.0024
VPS11	-3.23	0.0406	0.0025
PARVA	-18.05	0.0408	0.0025
EGLN2	-3.72	0.0408	0.0025
G6PD	-5.88	0.0408	0.0025
TRAPPC4; MIR3656	-12.3	0.0409	0.0025
PNP	8.57	0.0409	0.0025
LMTK2	2.7	0.0409	0.0025
GOLGA7	-4.38	0.0409	0.0025

NME3	-5.61	0.0409	0.0025
IREB2	5.18	0.0409	0.0025
COLGALT1	-2.28	0.0409	0.0025
ZC2HC1A	-2.27	0.0409	0.0025
RP3-512B11.3	-4.83	0.0409	0.0025
PYCARD	-5.02	0.0409	0.0025
MORF4L2	-3.31	0.041	0.0025
HIVEP1	5.98	0.041	0.0025
DNA2	6	0.041	0.0025
HIST2H4A; HIST2H4B	-2.87	0.041	0.0025
MINK1	-2.41	0.041	0.0025
ZDHHC3	-4.14	0.0411	0.0025
SLC12A2	5.09	0.0411	0.0025
IFRD1	-2.83	0.0411	0.0025
TMEM117	-3.76	0.0411	0.0025
ZSCAN31	2.29	0.0411	0.0025
RBCK1	-2.28	0.0412	0.0025
RNU6-249P	2.36	0.0412	0.0025
DUSP18	-2.02	0.0412	0.0025
GXYLT1	4.62	0.0413	0.0025
ABR	-6.5	0.0413	0.0025
RNU6-908P	3.48	0.0413	0.0025
TMX2; C11orf31	-15.65	0.0413	0.0025
CTD-2012K14.6	2.69	0.0413	0.0025
EXOC3	-2.07	0.0413	0.0025
CTC-428H11.2	2.76	0.0414	0.0025
HACL1	-2.37	0.0414	0.0025
UCK2	4.41	0.0414	0.0025
EIF3I	-8.42	0.0415	0.0025
U8	2.68	0.0415	0.0025
NPIP3	9.53	0.0415	0.0025
RP11-384O8.1	-2.3	0.0415	0.0025
RN7SKP246	-2.79	0.0415	0.0025
BCAP31	-23.34	0.0415	0.0025
IGKV1D-22	2.24	0.0415	0.0025
DENND6A	2.41	0.0415	0.0025
ENDOD1	-2.13	0.0415	0.0025
CMIP	2.95	0.0416	0.0025
CLIP2	-4	0.0416	0.0025
FGF2	-3	0.0417	0.0025
CDIPT	-4.77	0.0417	0.0025
ATF7IP2	2.72	0.0417	0.0025

HENMT1	-2.36	0.0417	0.0025
PRDM6	-2.38	0.0418	0.0026
PHKG2	-4.04	0.0418	0.0026
DTD1	-9.69	0.0418	0.0026
HES1	1.88	0.0418	0.0026
TMEM43	-5.7	0.0419	0.0026
LMF2	-1.8	0.0419	0.0026
RP13-554M15.2	1.99	0.0419	0.0026
CDH6	-1.93	0.0419	0.0026
FOXN3	-2.65	0.0419	0.0026
TNFRSF12A	-66.13	0.0419	0.0026
RALGPS2	-3.74	0.042	0.0026
NOLC1	2.59	0.042	0.0026
UQCRC1	-54.44	0.0421	0.0026
MCOLN3	-4.07	0.0421	0.0026
TRAF7	-6.13	0.0421	0.0026
INTS5	3.96	0.0422	0.0026
ASB8	-5.11	0.0422	0.0026
XPNPEP3	-2.56	0.0422	0.0026
SNORA48	-1.79	0.0422	0.0026
SNORD114-13	-2.12	0.0422	0.0026
LSM14B	-2.34	0.0422	0.0026
EIF4G3	-3.13	0.0422	0.0026
Y_RNA	1.76	0.0422	0.0026
AP000648.5	3.14	0.0423	0.0026
ZNF204P	-2.05	0.0423	0.0026
NPIP6	3.71	0.0423	0.0026
LOC101927043; AC073283.4	2.96	0.0423	0.0026
LOC100130370; RP11-1055B8.3	-2.12	0.0424	0.0026
VPS11	-2.94	0.0424	0.0026
NOP56; SNORD57; SNORD56; SNORA51; SNORD110; SNORD86;	3.7	0.0424	0.0026
SUCLG2-AS1	-2.87	0.0424	0.0026
SPRED1	-5.35	0.0424	0.0026
LOC100506603; RP11-488C13.6; RP11-488C13.5	6.74	0.0424	0.0026
AC055733.1	2.12	0.0424	0.0026
CBWD6; CBWD5; CBWD7	4.63	0.0425	0.0026
RNA5SP195	13.47	0.0425	0.0026
RP1-224A6.9	4.57	0.0425	0.0026
GNA12	-2.4	0.0425	0.0026
CCPG1; MIR628	-2.91	0.0426	0.0026
GRP	-1.96	0.0426	0.0026
SCG5	-3.03	0.0426	0.0026

ZNF718	2.41	0.0426	0.0026
CEP89	-3.31	0.0427	0.0026
POLR3GP1	2.93	0.0428	0.0026
RP11-298J20.3	2.48	0.0429	0.0026
SNORD78	2.11	0.0429	0.0026
ENSA	-10.27	0.0429	0.0026
BCOR	1.97	0.0429	0.0027
OCLN	-2.93	0.0429	0.0027
RP11-517O13.1	2.98	0.043	0.0027
RN7SKP234	5.21	0.043	0.0027
RP11-48B3.3	2.91	0.043	0.0027
MID1IP1	-2.34	0.043	0.0027
FAU	-12.74	0.043	0.0027
PIN1	-4.93	0.043	0.0027
EXPH5	-5.37	0.043	0.0027
ESD	-4.59	0.0431	0.0027
OR7E2P	3.37	0.0432	0.0027
KCNJ13	2.43	0.0432	0.0027
HNRNPUP1	2.39	0.0432	0.0027
SPECC1L	2.58	0.0432	0.0027
JUP	4.66	0.0433	0.0027
C2orf76	-3.73	0.0433	0.0027
EPS8L2	-1.82	0.0434	0.0027
CRK	-2.83	0.0434	0.0027
EDF1	-3.68	0.0434	0.0027
EXOSC9	2.5	0.0434	0.0027
RIOK1	2.29	0.0434	0.0027
APMAP	-6.67	0.0434	0.0027
BRD4	4.78	0.0434	0.0027
BDP1	3.98	0.0434	0.0027
Metazoa_SRP	2.76	0.0434	0.0027
MTIF2	-1.94	0.0434	0.0027
NRBF2	-2.86	0.0434	0.0027
AGAP4	4.18	0.0434	0.0027
C5orf28	-5.01	0.0434	0.0027
NAV2-AS3; RP11-2C23.1	3.1	0.0435	0.0027
RP11-571I18.5	2.83	0.0435	0.0027
KLF9	-1.95	0.0435	0.0027
RNU6-23P	3.05	0.0435	0.0027
IVD	-3.28	0.0436	0.0027
EFHD2	5.35	0.0436	0.0027
SMOC1	-2.72	0.0436	0.0027

DIABLO	-4.57	0.0437	0.0027
RAD51C	10.29	0.0437	0.0027
RNU2-46P	4.21	0.0437	0.0027
CTD-2008A1.1	1.87	0.0437	0.0027
RP11-295M18.6	-6.36	0.0437	0.0027
RNU6-1060P	3.71	0.0437	0.0027
ZFAND4	-1.92	0.0438	0.0027
BLCAP	-5.11	0.0438	0.0027
FLOT1	-9.69	0.0439	0.0027
RHOD	-8.61	0.0439	0.0027
ALG3	-9.53	0.044	0.0027
DUSP16	2.38	0.044	0.0027
SKP2	-2.94	0.044	0.0027
ENPP4	-2.4	0.0441	0.0028
ARPC5	-2.7	0.0441	0.0028
Y_RNA	3.02	0.0441	0.0028
TBC1D23	-3.71	0.0441	0.0028
STX18	-2.48	0.0441	0.0028
USP41	6.18	0.0441	0.0028
CTD-2538G9.6	1.85	0.0442	0.0028
DYSF	2.13	0.0442	0.0028
HSPE1P28	3.03	0.0443	0.0028
RBM3	-17.76	0.0443	0.0028
RN7SL274P	3.22	0.0443	0.0028
RASSF4	-2.22	0.0443	0.0028
MIEF1	-2.28	0.0443	0.0028
PRPF31	-6.99	0.0443	0.0028
LINC01355	4.49	0.0443	0.0028
KLK11	-1.85	0.0443	0.0028
DDX21	2.9	0.0444	0.0028
SIPA1L1	-3.44	0.0444	0.0028
RNF157	-2.86	0.0444	0.0028
SPPL3	-2.38	0.0444	0.0028
SNORD116-2	-18.56	0.0444	0.0028
PLXND1	3.13	0.0445	0.0028
ASAP3	-3.72	0.0446	0.0028
RELL1	2.64	0.0446	0.0028
RP11-73K9.3	4.42	0.0447	0.0028
CMTM6	1.92	0.0447	0.0028
CDK5PS	-2.45	0.0447	0.0028
WDSUB1	-2.33	0.0447	0.0028
ADGRF5	10.04	0.0448	0.0028

LRP6	5.95	0.0448	0.0028
RP11-803D5.4	3.67	0.0448	0.0028
LOC100506691	2.88	0.0448	0.0028
COPA	-4.77	0.0448	0.0028
LDHC	-2.85	0.0448	0.0028
NRBP1	-10.39	0.0449	0.0028
ZNF286A	2.35	0.0449	0.0028
PIK3C3	3.22	0.0449	0.0028
PROSER1	2.61	0.0449	0.0028
TMEM79	-1.69	0.0449	0.0028
PPP4C	-18.72	0.0449	0.0028
TMEM106B	-1.84	0.0449	0.0028
MPC2	-4.19	0.0449	0.0028
AP001891.1	-1.76	0.045	0.0028
GTF2B	-3.73	0.045	0.0028
CTNNAL1	4.77	0.0451	0.0029
SEPT7P2	-2.48	0.0451	0.0029
RRM2P4	2.28	0.0452	0.0029
RP11-295I5.3	1.86	0.0452	0.0029
ZNF579	-2.15	0.0453	0.0029
POLR1D	-6.33	0.0453	0.0029
MFNG	2.16	0.0453	0.0029
RNU7-49P	2.49	0.0453	0.0029
SPTSSB	-1.69	0.0453	0.0029
SRA1	-3.69	0.0453	0.0029
MIR3137	4.11	0.0453	0.0029
CCNH	3.38	0.0454	0.0029
PITPNA	2.37	0.0454	0.0029
RN7SL659P	-2.17	0.0454	0.0029
WWP1	9.38	0.0455	0.0029
MYO1B	-18.06	0.0455	0.0029
RN7SKP189	-2.02	0.0455	0.0029
RP11-10C24.3; RP11-10C24.2; RP11-10C24.1	8.5	0.0456	0.0029
RP11-500G10.5	2.37	0.0457	0.0029
DDTL; DDT	-8.57	0.0457	0.0029
ATG16L1	1.94	0.0457	0.0029
RNU6-206P	-2	0.0457	0.0029
IGF2R	-9.56	0.0457	0.0029
ZFP36L1	-47.68	0.0457	0.0029
PTRHD1	-3.04	0.0458	0.0029
RIC8A; MIR6743	-2.52	0.0458	0.0029
RWDD2B	-4.37	0.0458	0.0029

DLGAP1	-2.35	0.0459	0.0029
NR4A3	-1.87	0.0459	0.0029
CTSO	-6.52	0.0459	0.0029
LINC00938	3.8	0.0459	0.0029
RP4-575N6.5	4.48	0.046	0.0029
SAMD9L	-2.7	0.046	0.0029
EIF3F	-2.46	0.0461	0.0029
MAMLD1	-2.26	0.0461	0.0029
C1RL	-3.26	0.0461	0.0029
HIST2H2BE	-4.13	0.0461	0.0029
NEK9	-4.16	0.0462	0.003
TRAM1L1	-3.52	0.0462	0.003
MRPL54	-6.66	0.0462	0.003
ERO1A	2.01	0.0463	0.003
COPZ1	-15.87	0.0464	0.003
NIPSNAP1	-2.13	0.0464	0.003
RPS20P31	3.36	0.0464	0.003
GPR52	1.86	0.0464	0.003
LOC100288778	-1.78	0.0465	0.003
COX4I1	-2.74	0.0465	0.003
SUPT5H	-3.84	0.0465	0.003
SPAG7	-3.85	0.0466	0.003
IRF1	-5	0.0466	0.003
Y_RNA	11.64	0.0467	0.003
PDE3A	2.66	0.0467	0.003
LNPEP	6.84	0.0467	0.003
MIR4495	2.18	0.0467	0.003
EBF1	-4.41	0.0468	0.003
RP11-214K3.22	7.48	0.0468	0.003
CTD-2373H9.5	7.17	0.0468	0.003
DYX1C1-CCPG1	-3.01	0.0468	0.003
UQCRC2	-6.02	0.0469	0.003
ASPHD2	2.16	0.0469	0.003
LINC01352	-2.03	0.0469	0.003
MIR4296	3.36	0.047	0.003
STRIP1	-3.58	0.0472	0.003
CPNE3	-5.4	0.0472	0.003
XPC	-4.1	0.0472	0.003
PLEKHB2	-2.81	0.0473	0.003
CCNJ	2.79	0.0473	0.0031
PPP1R15A	-13.71	0.0473	0.0031
HIST1H2BK	-13.12	0.0473	0.0031

CTA-276F8.1	2.02	0.0474	0.0031
LOC257396; CTD-2366F13.1	-1.95	0.0474	0.0031
HOXB7	2.61	0.0474	0.0031
CHCHD2	-2.78	0.0474	0.0031
PPIB	-7.08	0.0474	0.0031
SDHB	-8.02	0.0474	0.0031
SSR4	-4.54	0.0475	0.0031
FLJ42351; AC079922.3	-1.77	0.0475	0.0031
TMEM135	-2.84	0.0475	0.0031
FMOD	-2.41	0.0475	0.0031
LINC00342	39.25	0.0476	0.0031
RNY3P13	1.93	0.0476	0.0031
UBE2C	22.26	0.0477	0.0031
SFRP4	-3.46	0.0477	0.0031
RNA5SP151	2.67	0.0477	0.0031
IL17RD	-2.06	0.0477	0.0031
RP11-322E11.3	3.28	0.0477	0.0031
RP5-1085F17.3	2.41	0.0477	0.0031
RC3H1-IT1; RP11-160H22.1	3.91	0.0478	0.0031
NPIPA1	-2.38	0.0478	0.0031
NARS	-3.45	0.0478	0.0031
PCDHB14	1.77	0.0479	0.0031
CRYL1	-4.34	0.0479	0.0031
ING4	-2.73	0.048	0.0031
NAGA	-3.54	0.048	0.0031
PLXNA1	-2.46	0.0482	0.0031
GPATCH3	-2.82	0.0482	0.0031
BBS2	-2.34	0.0482	0.0031
MED10	-6.28	0.0483	0.0031
MTCYBP3	6.21	0.0483	0.0031
LAMA1	-4.22	0.0483	0.0031
RP4-760C5.3	2.62	0.0483	0.0031
CHRFAM7A	4.49	0.0483	0.0031
CTC-490G23.2	1.92	0.0483	0.0031
C1orf101	1.94	0.0484	0.0032
TRIM16	-3.17	0.0484	0.0032
SGMS2	-7.92	0.0485	0.0032
TMEM57	1.72	0.0485	0.0032
RP1-146A15.1	2.22	0.0485	0.0032
TBC1D13	-3.28	0.0485	0.0032
SEC61A2	-2.68	0.0485	0.0032
STYXL1	-2.73	0.0485	0.0032

RP11-538I12.2	3.1	0.0486	0.0032
INIP	-2.51	0.0486	0.0032
MIR548N	11.37	0.0486	0.0032
PLSCR3; TMEM256; TMEM256-PLSCR3	-3.33	0.0486	0.0032
CEP152	3.13	0.0488	0.0032
PCYT2	-6.48	0.0488	0.0032
Y_RNA	21.78	0.0489	0.0032
DNAJB2	-2.24	0.0489	0.0032
EIF4EBP1	4.36	0.0489	0.0032
FIS1	-12.45	0.0489	0.0032
RP11-5L12.1	1.67	0.0489	0.0032
MIR4477B	-1.95	0.0489	0.0032
ZNF385B	-1.8	0.049	0.0032
PDE9A	-1.72	0.049	0.0032
SLX4IP	5.23	0.049	0.0032
MGLL	-10.94	0.0491	0.0032
CCDC84	2.79	0.0491	0.0032
PUS3	2.12	0.0492	0.0032
RP11-26J3.3	2.19	0.0492	0.0032
PKIG	-17.34	0.0492	0.0032
AHCY	-3.48	0.0493	0.0032
SVBP	-4.51	0.0493	0.0032
UBXN1	-19.05	0.0493	0.0032
RHOT2	-2.32	0.0493	0.0032
RASGRF2	3.48	0.0494	0.0032
MYCBP2-AS1	2.07	0.0494	0.0032
IFITM2	-3.84	0.0494	0.0032
ZRANB1	-2.79	0.0494	0.0032
SCARNA9	-4.6	0.0495	0.0032
RPL39P26	2.59	0.0497	0.0033
CNN3	-2.31	0.0497	0.0033
YPEL3	-6.43	0.0498	0.0033
Y_RNA	2.13	0.0498	0.0033
MMP14	-6.67	0.0498	0.0033
EFCAB2	2.24	0.0498	0.0033
ZNF611	2.23	0.0499	0.0033
C19orf53	-6.19	0.0499	0.0033
SZT2-AS1; RP11-506B15.4	2.81	0.0499	0.0033
TAF4	1.92	0.0499	0.0033
LINC00341	-2.51	0.0499	0.0033
ZDHHC4	-4.49	0.0499	0.0033
PI4KAP2	-3.6	0.0499	0.0033

SNAP23	1.91	0.0499	0.0033
--------	------	--------	--------