Supplemental Figure 1

A. Cysteinyl Leukotriene
(Wound)
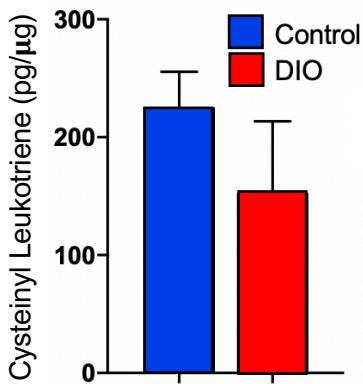
B. Leukotriene B$_4$
(Wound)
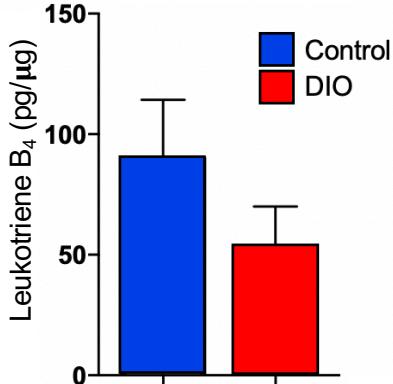
C. *PGE Synthase 1*
(Wound MΦ)
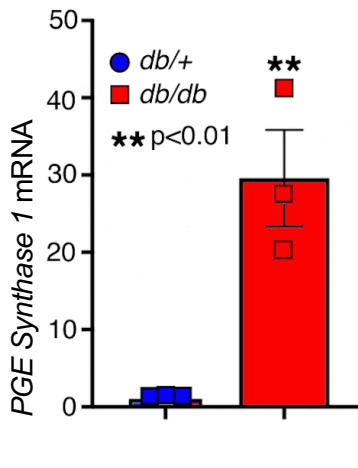
D. *PGE$_2$*
(Wound)
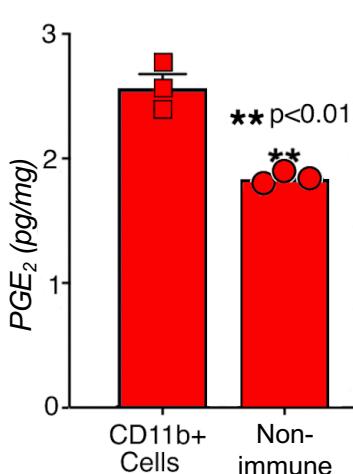
Supplemental Figure 1. Leukotriene and lipid mediators similar in diabetic and control wounds. (A, B) Wound monocyte/macrophages (MΦs) (CD11b$^+$[CD3$^-$/CD19$^-$/NK1.1$^-$/Ly6G$^-$/CD11b+]) were isolated on day 3 post-wounding and analyzed for secretion of Cysteinyl Leukotriene (A) and Leukotriene B4 (B) in DIO and control mice (N=3/group, repeated two times). (C) Wound monocyte/macrophages (MΦs) (CD11b$^+$[CD3$^-$/CD19$^-$/NK1.1$^-$/Ly6G$^-$/CD11b$^+$])) were isolated from *db/db* mice and controls and analyzed for *PGE synthase 1* (n=3/group, repeated two times in triplicate). (D) Wound cells were sorted from *db/db* and PGE$_2$ levels were analyzed in myeloid cells (CD11b$^+$[CD3$^-$/CD19$^-$/NK1.1$^-$/Ly6G$^-$/CD11b$^+$]) and non-immune cells (CD11b$^-$[CD3$^-$/CD19$^-$/NK1.1$^-$/Ly6G$^-$/CD11b$^-$]) (n=3/group, repeated two times). Data are presented as the mean±SEM. Data were first analyzed for normal distribution and if data passed normality test, 2-tailed Student's t test was used.

Supplemental Figure 2

A. *PGE Synthase 1*
(Wound MΦ)

B. *COX-2*
(Wound MΦ)

C. *cPLA$_2$*
(Wound MΦ)
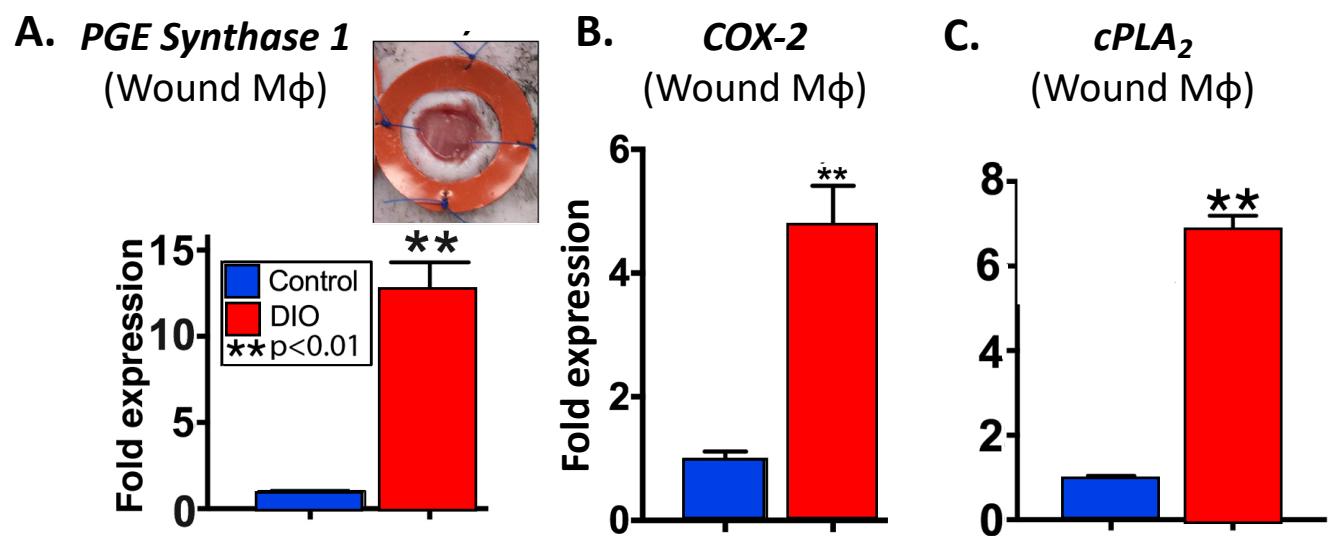
Supplemental Figure 2. Increased expression of the COX-2/PGE$_2$ pathway in DIO mice in chronic splinted wound model. (A-C) Wound monocyte/macrophages (MΦs) (CD11b$^+$[CD3$^-$/CD19$^-$/NK1.1$^-$/Ly6G$^-$/CD11b$^+$]) were isolated on day 5 from DIO and control mice subjected to a chronic wound model (splinted wound; inset) and analyzed for *PGE synthase 1, Cox-2,* and *cpla$_2$* (n=3/group, repeated two times in triplicate). Data are presented as the mean±SEM. Data were first analyzed for normal distribution and if data passed normality test, 2-tailed Student's t test was used.

Supplemental Figure 3
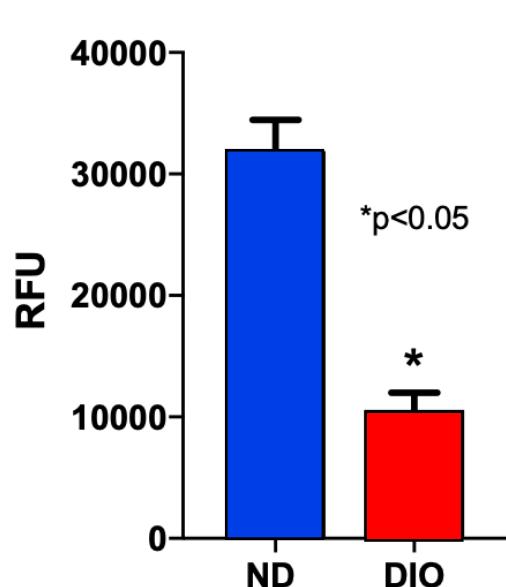
A.
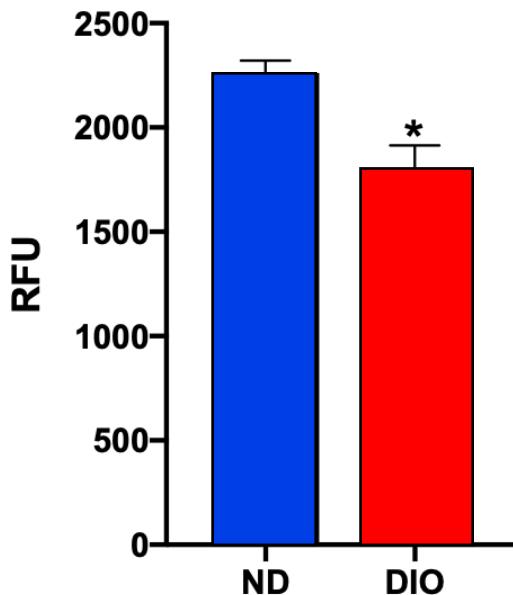
Supplemental Figure 3. Diabetic wound MΦs exhibit impaired phagocytosis. (A,B). In vivo monocyte/macrophages (MΦs) (CD11b$^+$[CD3$^-$/CD19$^-$/NK1.1$^-$/Ly6G$^-$/CD11b$^+$]) from DIO mice or controls were incubated with fluorescently labeled *E.coli* (A) or *MRSA* (B) for 2h and the percent of cells ingesting bacteria were determined in relative fluorescence units (RFU) (n=4/group, repeated twice). Data are presented as the mean±SEM. *P < 0.05. Data were first analyzed for normal distribution and if data passed normality test, 2-tailed Student's t test was used.

Supplemental Figure 4

A.
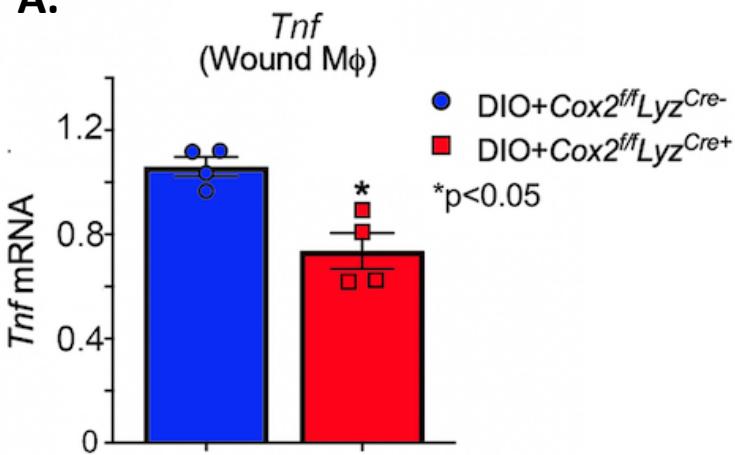
B.
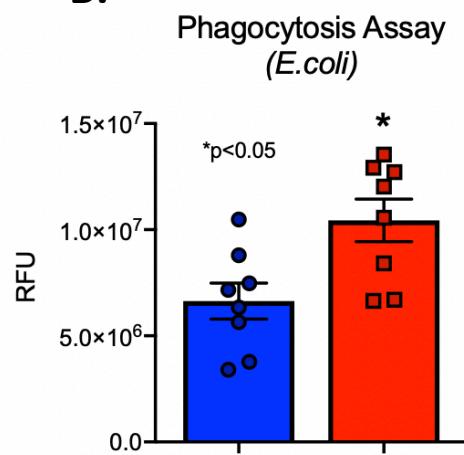
**Supplemental Figure 4. Macrophage-specific Genetic Depletion of Cox-2 Decrease Inflammation and Improve Phagocytosis.** (A) Wound monocyte/macrophages (MΦs) (CD11b$^+$[CD3$^-$/CD19$^-$/NK1.1$^-$/Ly6G$^-$/CD11b$^+$]) from DIO+$Cox2^{f/f}Lyz2^{Cre+}$ and littermate controls (DIO+$Cox2^{f/f}Lyz2^{Cre-}$) were isolated and analyzed for *Tnf* gene expression by qPCR (n=3/group, repeated twice). (B) BMDM from DIO+$Cox2^{f/f}Lyz2^{Cre+}$ and littermate controls (DIO+$Cox2^{f/f}Lyz2^{Cre-}$) were incubated with fluorescently labeled *E.coli* for 2h and the percent of cells ingesting bacteria were determined in relative fluorescence units (RFU) (n=8/group, repeated once). *P < 0.05. Data were first analyzed for normal distribution and if data passed normality test, 2-tailed Student's t test with Welch's correction was used.

Supplemental Figure 5

A.
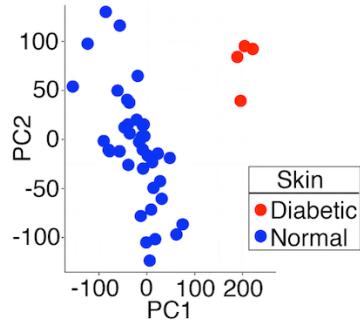
B. Positive regulation of apoptotic signaling pathway

C. Response to reactive oxygen species
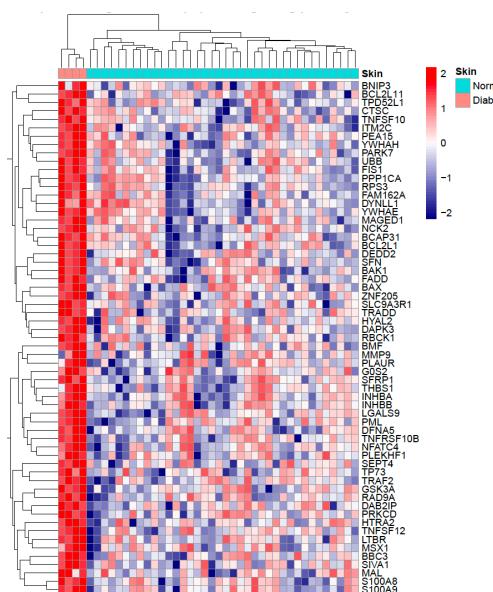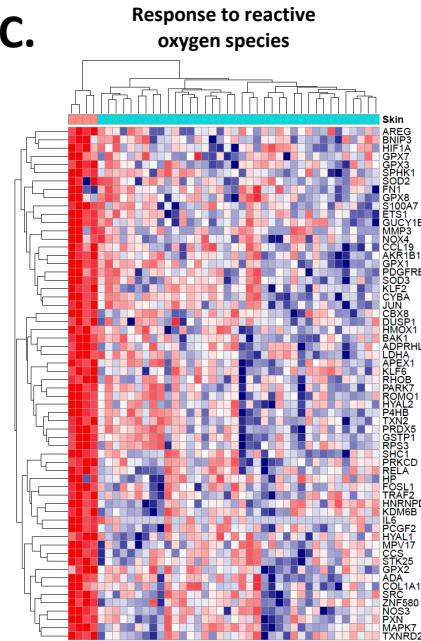
D. Regulation of TNF production
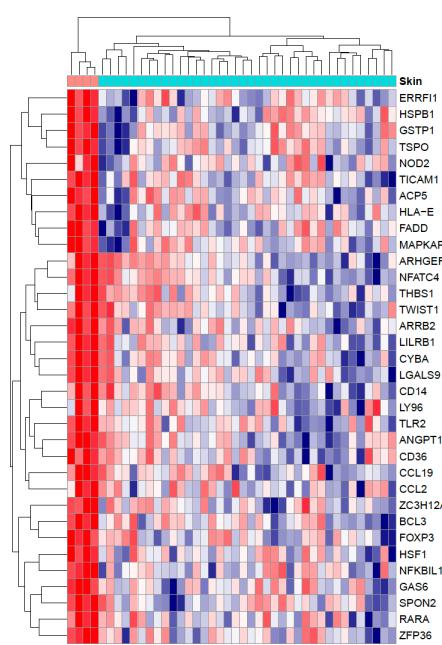
E. Positive regulation of Macrophage chemotaxis
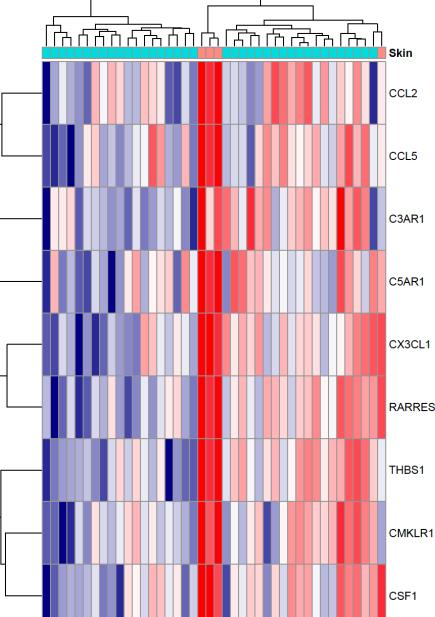
F. Monocyte differentiation
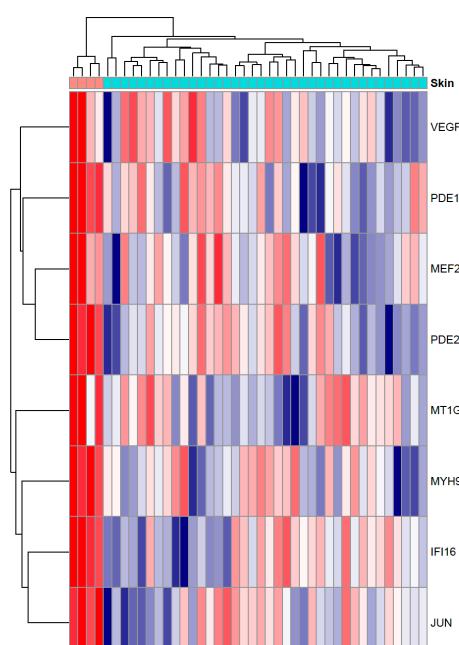
Supplemental Figure 5

Supplemental Figure 5. Gene expression within GO pathway analysis of diabetic and control. (A) Principal components analysis of microarray data in wound tissue from diabetic (n=4) and healthy controls (n=38). (B-G) Heatmap illustrating the expression profiles for selective genes from GO pathway analysis with progressive pattern of upregulation from diabetic (n=4) compared to healthy controls (n=38).
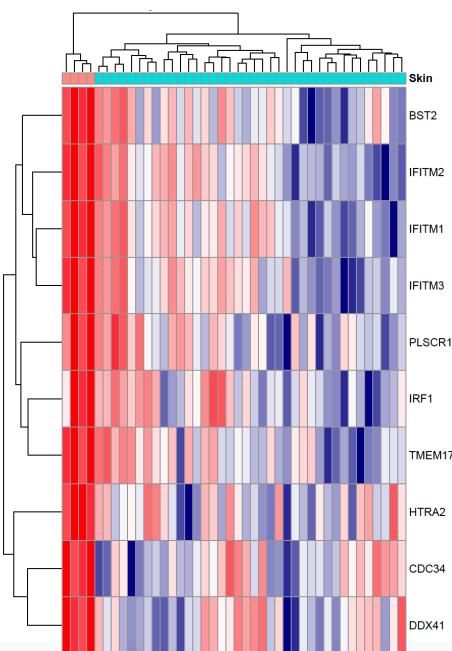
Supplemental Table 1

	log2FoldChange	pvalue	padj
RMRP	-11.57	0.00E+00	0.00E+00
RN7SK	-11.78	0.00E+00	0.00E+00
RPPH1	-12.60	0.00E+00	0.00E+00
RN7SL1	-8.70	5.92E-291	4.71E-287
ZNF460	-6.10	4.02E-290	2.56E-286
SCARNA2	-8.59	1.71E-270	9.07E-267
RN7SL2	-7.92	1.36E-226	6.19E-223
HIST1H1E	-9.71	2.31E-200	9.19E-197
POMK	-4.19	2.61E-176	9.21E-173
SCARNA7	-9.92	1.03E-174	3.29E-171
SNORA73B	-10.33	1.61E-160	4.66E-157
SNORD3A	-11.79	1.10E-151	2.93E-148
GADD45B	4.06	5.48E-151	1.34E-147
HIST2H2AC	-7.56	4.01E-148	9.11E-145
KLHL11	-3.47	6.96E-121	1.47E-117
ZNF121	-2.47	2.78E-116	5.52E-113
GDAP2	-2.80	1.68E-112	3.14E-109
ZNF805	-2.71	6.38E-112	1.07E-108
HIST1H4C	-7.77	6.41E-112	1.07E-108
ZBED6	-2.76	7.26E-112	1.15E-108
LNPEP	-2.72	2.34E-108	3.55E-105
TOR1AIP2	-2.14	2.88E-104	4.16E-101
PWAR5	-4.34	6.54E-103	9.03E-100
ALMS1	-2.20	9.21E-103	1.22E-99
PTMS	3.42	6.46E-99	8.21E-96
SNORD17	-11.44	9.71E-99	1.19E-95
TMPPE	-3.53	1.33E-97	1.57E-94
JUN	5.00	1.05E-95	1.20E-92
HIST1H1D	-9.22	1.67E-95	1.83E-92
CTC-444N24.7	-6.85	1.18E-94	1.25E-91
SCARNA9	-7.42	7.96E-94	8.16E-91
RBM15	-2.03	3.38E-93	3.36E-90
BAX	3.20	5.73E-93	5.52E-90
ZBTB37	-2.55	2.09E-92	1.95E-89
AKT1S1	2.27	8.91E-90	8.09E-87
XLOC_013174	-4.23	3.72E-89	3.29E-86
HIST1H2BH	-5.78	6.21E-89	5.33E-86
HIST2H2BF	-4.91	5.23E-88	4.37E-85
FLOT1	3.43	2.78E-87	2.27E-84
HIST1H4E	-9.24	3.62E-85	2.87E-82
RIF1	-2.16	1.16E-84	8.97E-82
TULP4	-2.55	1.41E-84	1.07E-81

HIST1H1C	-4.13	2.16E-84	1.59E-81
EXPH5	-3.63	3.59E-84	2.60E-81
HIST1H2AE	-6.05	6.59E-84	4.66E-81
HIST1H2AG	-6.23	2.10E-83	1.45E-80
MANBAL	1.64	8.63E-83	5.83E-80
RC3H1	-2.33	1.48E-82	9.77E-80
SNHG3	-5.49	1.14E-80	7.38E-78
HIST1H4H	-5.25	4.57E-80	2.90E-77
VWA1	3.57	4.76E-80	2.96E-77
ANP32B	2.40	9.19E-80	5.61E-77
FBLIM1	3.33	1.34E-79	8.06E-77
RPL28	2.60	1.11E-78	6.56E-76
ZNF451	-1.79	5.35E-78	3.09E-75
GSK3A	1.94	1.42E-77	8.04E-75
CCDC124	3.03	2.11E-77	1.18E-74
SYNE1	-3.33	3.01E-77	1.65E-74
CEP192	-1.75	5.03E-77	2.71E-74
FAAP20	2.72	4.16E-76	2.20E-73
HIST1H2BN	-4.74	1.19E-75	6.18E-73
MT2A	3.71	1.99E-75	1.02E-72
ZNF850	-2.44	2.64E-75	1.33E-72
PTAR1	-1.85	7.78E-75	3.86E-72
FLOT2	2.75	4.77E-74	2.33E-71
NUFIP2	-1.57	9.37E-74	4.51E-71
CDC42EP5	4.53	5.73E-73	2.72E-70
U2AF2	1.50	1.01E-72	4.72E-70
CAPZB	1.78	1.27E-72	5.85E-70
MMP24-AS1	2.57	1.31E-72	5.93E-70
CTC-444N24.11	-2.38	4.74E-72	2.12E-69
COPS6	1.87	1.70E-71	7.50E-69
HIST1H2BC	-4.50	1.87E-71	8.15E-69
MYO9A	-1.67	2.58E-71	1.11E-68
KNTC1	-1.93	2.68E-71	1.14E-68
SYNE2	-2.70	3.08E-71	1.29E-68
USP34	-1.92	9.48E-71	3.91E-68
SCARNA21	-10.25	2.73E-70	1.11E-67
C10orf12	-2.89	3.31E-70	1.33E-67
INAFM1	3.15	6.86E-70	2.72E-67
MKLN1	-1.83	1.12E-69	4.40E-67
TNIP1	1.56	2.46E-69	9.53E-67
CEBPD	2.59	8.77E-69	3.36E-66
RNF169	-1.53	9.84E-69	3.72E-66
KANSL1L	-2.18	2.24E-68	8.36E-66
NDUFA4L2	4.69	2.49E-68	9.22E-66
BANF1	2.84	3.52E-68	1.29E-65

RAB13	2.99	8.29E-68	2.99E-65
PRR14L	-1.73	1.88E-67	6.71E-65
BARD1	-2.71	2.23E-67	7.89E-65
RN7SL3	-8.29	2.55E-67	8.85E-65
HIST1H2BG	-4.68	2.56E-67	8.85E-65
INO80D	-2.44	3.47E-67	1.18E-64
GAN	-4.03	4.99E-67	1.69E-64
FKBP2	1.90	1.89E-66	6.32E-64
HIST1H3G	-7.42	2.85E-66	9.42E-64
C11orf96	5.51	3.69E-66	1.21E-63
MDM2	-1.52	7.39E-66	2.40E-63
HIST1H3H	-5.37	8.59E-66	2.76E-63
PARD6B	-2.83	1.07E-65	3.40E-63
UBALD2	3.26	1.74E-65	5.46E-63
CBX5	-1.85	1.94E-65	6.05E-63
UBE2J2	1.28	2.10E-65	6.47E-63
NUP155	-1.69	2.69E-65	8.22E-63
EVI5	-2.02	2.97E-65	8.99E-63
PRCC	1.73	3.51E-65	1.05E-62
UBN2	-2.43	4.79E-65	1.42E-62
NR2C2	-1.38	5.45E-65	1.61E-62
SSBP3	1.54	5.62E-65	1.64E-62
ZNF283	-2.07	1.75E-64	5.06E-62
CCM2	2.35	1.99E-64	5.68E-62
SBNO2	2.21	2.22E-64	6.31E-62
TSR3	1.87	3.26E-64	9.17E-62
PHC3	-1.80	4.67E-64	1.30E-61
C11orf31	2.12	1.13E-63	3.10E-61
OAZ2	1.79	1.13E-63	3.10E-61
XRN1	-1.90	1.60E-63	4.34E-61
CEP350	-1.91	1.76E-63	4.74E-61
ACOX1	-1.99	2.17E-63	5.80E-61
ATF5	2.55	2.96E-63	7.84E-61
STRA13	2.13	6.46E-63	1.70E-60
PAF1	1.98	1.22E-62	3.17E-60
BIRC6	-1.92	2.18E-62	5.64E-60
NIN	-1.41	4.05E-62	1.04E-59
FKBP8	2.16	1.29E-61	3.28E-59
ZNF790	-1.62	2.17E-61	5.48E-59
USF3	-1.84	5.07E-61	1.27E-58
SLC8A1	-4.33	5.15E-61	1.28E-58
RALY	1.26	6.12E-61	1.51E-58
SMARCB1	1.84	8.42E-61	2.06E-58
HIST1H4F	-9.14	1.16E-60	2.81E-58
IKZF2	-3.50	1.23E-60	2.97E-58

C11orf68	2.08	1.94E-60	4.65E-58
USE1	1.90	2.11E-60	4.99E-58
CTB-50L17.10	1.83	3.37E-60	7.94E-58
FBXL15	1.96	3.48E-60	8.14E-58
ZNF417	-2.10	4.65E-60	1.08E-57
COL4A2	5.58	1.43E-59	3.29E-57
AQP9	-3.41	1.59E-59	3.64E-57
NAA60	1.85	1.63E-59	3.69E-57
RNU4-2	-12.74	2.85E-59	6.41E-57
USF2	1.67	3.20E-59	7.16E-57
GADD45A	2.62	7.72E-59	1.72E-56
TNFRSF1A	1.68	9.97E-59	2.20E-56
NHLRC2	-1.99	1.59E-58	3.48E-56
PHPT1	2.20	1.62E-58	3.52E-56
BASP1	3.78	2.01E-58	4.35E-56
ZFP30	-1.79	2.22E-58	4.76E-56
ZNF124	-3.29	2.94E-58	6.28E-56
TRAPPC1	2.06	4.13E-58	8.75E-56
PITPNB	2.39	4.79E-58	1.01E-55
QSER1	-1.82	8.05E-58	1.68E-55
HIST1H1B	-10.92	9.53E-58	1.98E-55
SNORA12	-8.74	1.19E-57	2.46E-55
BTC	-5.49	1.33E-57	2.72E-55
CDK6	-2.62	1.51E-57	3.07E-55
HNRNPM	1.37	2.18E-57	4.42E-55
PEX14	1.62	2.73E-57	5.50E-55
CDC37	1.70	3.21E-57	6.42E-55
NOTCH2NL	-2.95	3.24E-57	6.43E-55
IRGQ	-1.51	3.62E-57	7.14E-55
CORO1B	1.78	4.79E-57	9.39E-55
TBX2	5.72	8.32E-57	1.62E-54
HIST1H2BE	-7.13	1.47E-56	2.84E-54
STX5	1.30	1.98E-56	3.82E-54
SENP5	-1.27	3.11E-56	5.96E-54
ZNF579	2.31	3.22E-56	6.13E-54
FAM213B	2.36	3.34E-56	6.31E-54
SLC9A3R2	4.34	4.22E-56	7.93E-54
TMEM256-PLSCR3	2.48	5.86E-56	1.10E-53
RP11-255H23.2	-3.67	6.12E-56	1.14E-53
ZNF414	2.90	6.31E-56	1.17E-53
YPEL3	1.64	6.97E-56	1.28E-53
ABHD4	2.02	1.06E-55	1.94E-53
POLR2E	1.79	1.11E-55	2.01E-53
CCDC9	1.99	1.67E-55	3.02E-53
FER	-1.73	1.94E-55	3.48E-53

MAF1	1.62	4.22E-55	7.53E-53
VPS28	1.67	6.36E-55	1.13E-52
FAM127B	2.75	6.47E-55	1.14E-52
SHANK3	3.58	7.34E-55	1.29E-52
HIST4H4	-3.96	7.94E-55	1.39E-52
CTD-3099C6.9	-3.43	9.10E-55	1.58E-52
OTUD5	1.26	1.05E-54	1.81E-52
HIST1H2BJ	-5.23	1.07E-54	1.83E-52
STAG1	-1.17	1.32E-54	2.26E-52
PFDN2	2.32	1.84E-54	3.13E-52
KIAA1109	-1.91	3.46E-54	5.85E-52
NOTCH2	-1.62	3.57E-54	6.00E-52
ZFP36	3.35	4.95E-54	8.29E-52
SSH3	2.09	8.99E-54	1.49E-51
CCDC12	1.86	1.15E-53	1.90E-51
LSM7	2.24	1.21E-53	2.00E-51
GPX1	2.99	1.36E-53	2.23E-51
CSK	2.01	1.42E-53	2.31E-51
ZNF787	2.08	3.01E-53	4.88E-51
COL4A1	5.83	4.03E-53	6.51E-51
ZNF264	-1.90	5.33E-53	8.56E-51
NBEAL1	-2.51	5.42E-53	8.66E-51
JOSD2	2.60	8.25E-53	1.31E-50
USP37	-1.74	8.41E-53	1.33E-50
ARHGDIA	2.39	8.61E-53	1.35E-50
DOPEY1	-1.85	1.65E-52	2.58E-50
RALGAPA1	-2.06	1.65E-52	2.58E-50
DENND4C	-1.83	2.71E-52	4.20E-50
PLEKHM3	-2.18	2.73E-52	4.21E-50
ESAM	4.90	3.01E-52	4.62E-50
TMSB10	3.25	3.06E-52	4.68E-50
GNB4	-2.50	3.75E-52	5.70E-50
ARID2	-1.57	5.71E-52	8.64E-50
BRWD3	-2.14	5.92E-52	8.91E-50
NFAT5	-2.47	6.45E-52	9.66E-50
MARCKSL1	3.52	7.53E-52	1.12E-49
TNFRSF19	-2.17	1.15E-51	1.71E-49
LCOR	-1.63	1.19E-51	1.77E-49
WIF1	-7.62	1.34E-51	1.97E-49
HM13	1.53	1.73E-51	2.53E-49
ALG10	-1.95	2.17E-51	3.17E-49
MIR17HG	-5.01	2.20E-51	3.19E-49
ZNF81	-2.01	2.22E-51	3.21E-49
LTN1	-1.66	2.45E-51	3.53E-49
MED13	-1.68	3.16E-51	4.52E-49

ZNF808	-2.01	3.32E-51	4.73E-49
CUEDC2	1.89	4.88E-51	6.93E-49
FAM50A	2.09	5.65E-51	7.98E-49
PIKFYVE	-1.40	6.06E-51	8.51E-49
BRWD1	-1.90	7.43E-51	1.04E-48
ENG	4.05	8.58E-51	1.20E-48
FBXW5	1.48	8.97E-51	1.24E-48
RAB7A	1.57	1.03E-50	1.43E-48
SCAND1	2.38	1.04E-50	1.43E-48
SDF4	1.74	1.26E-50	1.72E-48
RP11-498C9.15	-3.08	1.36E-50	1.86E-48
ZNF33A	-1.44	1.38E-50	1.88E-48
PFN1	2.03	2.07E-50	2.80E-48
ZNF573	-2.58	2.59E-50	3.49E-48
ATP5D	1.93	2.87E-50	3.85E-48
CDC25B	3.07	3.00E-50	4.00E-48
ZNF557	-1.44	3.72E-50	4.95E-48
ZNF506	-1.69	5.44E-50	7.21E-48
HIST1H2AI	-8.75	6.61E-50	8.72E-48
CTSB	3.21	8.82E-50	1.16E-47
NRSN2	3.26	1.16E-49	1.52E-47
ATL3	-1.75	1.25E-49	1.63E-47
AMY2B	-2.58	1.27E-49	1.64E-47
DYRK1A	-1.07	1.82E-49	2.35E-47
TERC	-8.19	1.85E-49	2.38E-47
SHISA5	2.05	2.03E-49	2.61E-47
TFE3	1.26	2.46E-49	3.14E-47
TCEA2	2.59	2.75E-49	3.49E-47
MDK	4.87	2.86E-49	3.62E-47
AKIRIN2	1.60	4.38E-49	5.52E-47
AP2M1	1.65	4.76E-49	5.98E-47
RN7SKP80	-6.00	4.88E-49	6.10E-47
WDFY3	-1.53	6.75E-49	8.42E-47
EPS15	-1.31	7.33E-49	9.10E-47
SF3B4	1.57	7.48E-49	9.24E-47
C10orf10	5.02	8.57E-49	1.06E-46
CCDC92	3.00	9.12E-49	1.12E-46
NOL9	-1.04	1.02E-48	1.25E-46
PRKCSH	1.73	1.08E-48	1.32E-46
MIR3609	-10.35	1.32E-48	1.60E-46
SOCS3	5.19	1.40E-48	1.69E-46
AHNAK	-1.98	1.45E-48	1.75E-46
DAPK3	2.01	1.76E-48	2.11E-46
ANAPC11	2.10	2.16E-48	2.58E-46
MDM4	-2.09	2.18E-48	2.58E-46

UTRN	-2.03	2.18E-48	2.58E-46
SFT2D2	-2.01	2.26E-48	2.67E-46
CLASP2	-1.29	2.31E-48	2.72E-46
SGTA	1.49	2.83E-48	3.32E-46
CCNT1	-1.27	3.08E-48	3.59E-46
WRN	-1.52	4.03E-48	4.69E-46
PIN1	1.61	4.10E-48	4.75E-46
TBL1XR1	-1.95	4.11E-48	4.75E-46
URM1	1.81	4.87E-48	5.61E-46
ARMC5	1.95	5.01E-48	5.74E-46
DMXL1	-1.76	6.09E-48	6.96E-46
FAM173A	2.35	6.62E-48	7.54E-46
UBE2M	1.82	7.18E-48	8.14E-46
PGF	5.06	7.27E-48	8.23E-46
CDON	-2.64	1.06E-47	1.19E-45
TMPRSS11F	-3.54	1.18E-47	1.32E-45
LGI4	4.06	1.31E-47	1.47E-45
STUB1	1.89	1.34E-47	1.49E-45
FKBP1A	1.83	1.49E-47	1.65E-45
CNN2	1.93	1.97E-47	2.18E-45
FUT10	-1.65	3.44E-47	3.79E-45
ZNF26	2.61	3.80E-47	4.18E-45
ARHGEF26	-2.80	4.17E-47	4.57E-45
SRM	2.07	4.60E-47	5.03E-45
INTU	-2.14	5.53E-47	6.02E-45
SERPINE1	6.02	5.82E-47	6.31E-45
EML4	-1.28	6.07E-47	6.56E-45
SMCHD1	-1.48	6.90E-47	7.44E-45
TNIP2	1.99	9.04E-47	9.70E-45
SPTAN1	-1.40	9.13E-47	9.77E-45
SHC1	2.08	9.16E-47	9.77E-45
C19orf68	3.11	9.42E-47	1.00E-44
GRN	2.13	9.89E-47	1.05E-44
MORF4L1P1	2.47	1.03E-46	1.08E-44
NUBP2	1.72	1.05E-46	1.11E-44
PPP4C	1.69	1.22E-46	1.28E-44
STX4	1.82	1.51E-46	1.58E-44
GADD45GIP1	1.92	1.93E-46	2.01E-44
PLEKHJ1	1.66	2.04E-46	2.12E-44
SPATA5	-1.69	2.10E-46	2.18E-44
DPF2	1.30	2.15E-46	2.22E-44
TMEM222	1.68	2.79E-46	2.87E-44
ENO1	2.13	2.92E-46	2.99E-44
SCARNA10	-14.60	3.39E-46	3.47E-44
SYNPO	3.80	3.52E-46	3.58E-44

Gene	Value	p-value	adj. p-value
NUDT16L1	1.60	4.04E-46	4.10E-44
NBAS	-1.18	4.34E-46	4.39E-44
ARHGEF15	3.79	4.36E-46	4.40E-44
TRIP6	1.45	4.53E-46	4.55E-44
PNMA1	2.00	5.04E-46	5.05E-44
MED29	1.20	6.80E-46	6.79E-44
CDKN2A	4.47	6.89E-46	6.87E-44
CCS	1.62	7.74E-46	7.69E-44
RORA	-3.12	8.44E-46	8.35E-44
ELK4	-1.55	8.56E-46	8.44E-44
ATXN3	-1.72	9.03E-46	8.88E-44
ZNF891	-2.44	9.94E-46	9.75E-44
LONP2	-1.11	1.07E-45	1.04E-43
RELL1	-2.50	1.47E-45	1.44E-43
ALDOA	2.11	1.48E-45	1.44E-43
CLEC14A	4.34	1.85E-45	1.80E-43
TROVE2	-2.12	1.92E-45	1.86E-43
NR2F2	4.11	1.97E-45	1.90E-43
PPP1R14A	5.74	2.51E-45	2.41E-43
SUPT5H	1.09	2.68E-45	2.56E-43
FAM3A	1.57	2.90E-45	2.76E-43
C3orf52	-2.94	2.95E-45	2.81E-43
MRPL41	2.20	3.08E-45	2.93E-43
MALAT1	-4.18	3.39E-45	3.21E-43
SHPRH	-2.16	3.59E-45	3.38E-43
MLF2	1.84	4.13E-45	3.88E-43
RBM42	1.64	4.47E-45	4.18E-43
SOX17	4.46	4.47E-45	4.18E-43
MBNL3	-2.18	5.24E-45	4.89E-43
HIST1H3B	-10.58	5.51E-45	5.12E-43
NUCB1	1.92	7.84E-45	7.26E-43
NKIRAS2	1.35	8.16E-45	7.54E-43
TARBP2	1.41	9.89E-45	9.09E-43
TNRC6B	-1.82	9.89E-45	9.09E-43
HERC1	-1.54	1.09E-44	9.98E-43
MOSPD3	2.56	1.48E-44	1.35E-42
FRYL	-1.56	1.64E-44	1.49E-42
BCAR1	2.73	1.83E-44	1.66E-42
PRKCB	-2.76	1.91E-44	1.73E-42
HIPK3	-1.44	2.26E-44	2.04E-42
BCL2	-2.25	2.27E-44	2.04E-42
TSC22D4	1.79	2.38E-44	2.14E-42
GNAI2	2.71	2.46E-44	2.21E-42
ZFAND3	1.56	2.49E-44	2.23E-42
ZNF736	-2.04	2.76E-44	2.46E-42

AGO1	-1.19	2.81E-44	2.49E-42
MAP3K11	2.02	3.24E-44	2.87E-42
PDLIM7	3.67	3.30E-44	2.92E-42
IRF4	-2.91	3.36E-44	2.96E-42
RP11-158K1.3	-2.26	3.56E-44	3.12E-42
GPR68	3.27	3.56E-44	3.12E-42
SETX	-1.36	4.06E-44	3.54E-42
SAT2	1.83	4.12E-44	3.59E-42
RGS3	2.89	4.76E-44	4.13E-42
ADCY2	-2.56	5.37E-44	4.65E-42
VPS13C	-1.80	5.84E-44	5.05E-42
MDN1	-2.13	6.07E-44	5.23E-42
PLVAP	5.08	6.15E-44	5.28E-42
HNRNPA0	1.49	9.19E-44	7.87E-42
ZNF106	-1.23	1.14E-43	9.76E-42
ZNF107	-2.49	1.21E-43	1.03E-41
GJA4	5.17	1.25E-43	1.06E-41
PRLR	-3.78	1.29E-43	1.10E-41
TAF15	2.05	1.31E-43	1.11E-41
MAPK3	1.96	1.39E-43	1.17E-41
ATR	-1.55	1.45E-43	1.22E-41
CERS6	-2.38	1.74E-43	1.46E-41
CYR61	5.47	1.87E-43	1.56E-41
KDELR1	1.53	2.05E-43	1.71E-41
PUS7L	-1.79	2.34E-43	1.94E-41
SRF	1.35	2.67E-43	2.21E-41
STK11	1.41	2.74E-43	2.27E-41
BRAF	-1.36	2.78E-43	2.29E-41
SHARPIN	1.46	4.12E-43	3.39E-41
SCARNA13	-7.79	4.75E-43	3.90E-41
TBCB	1.94	5.06E-43	4.14E-41
TGFB1	3.56	5.36E-43	4.38E-41
AGO2	-1.69	5.87E-43	4.78E-41
ZBTB25	-1.56	6.49E-43	5.27E-41
C1orf132	-4.23	6.56E-43	5.32E-41
RIC8A	1.10	6.59E-43	5.33E-41
ZNF503	2.84	6.91E-43	5.57E-41
ARHGAP12	-1.38	7.23E-43	5.82E-41
MAPK7	1.76	7.67E-43	6.15E-41
ASH1L	-1.33	8.19E-43	6.56E-41
RASGEF1B	-1.72	9.55E-43	7.62E-41
DAXX	1.27	9.92E-43	7.90E-41
COMMD4	1.55	1.09E-42	8.70E-41
FSCN1	3.53	1.15E-42	9.13E-41
MID1IP1	1.44	1.19E-42	9.44E-41

VPS13B	-1.87	1.24E-42	9.77E-41
CNTROB	1.34	1.25E-42	9.81E-41
CEBPB	1.91	1.58E-42	1.24E-40
TXN2	1.75	1.70E-42	1.33E-40
LENG1	1.89	1.73E-42	1.35E-40
LOXL2	5.07	1.91E-42	1.48E-40
CDK11B	1.66	2.02E-42	1.57E-40
SLC1A5	3.27	2.21E-42	1.71E-40
GPATCH2L	-1.10	2.94E-42	2.27E-40
USP3	-1.31	3.28E-42	2.53E-40
ZNF8	-2.01	4.77E-42	3.67E-40
TAB1	1.42	5.26E-42	4.04E-40
FAM126B	-1.66	5.36E-42	4.10E-40
PRKAR1B	2.24	8.39E-42	6.41E-40
CLDN5	4.41	8.51E-42	6.49E-40
BRD2	1.14	9.21E-42	7.00E-40
RPL41	1.95	9.28E-42	7.04E-40
FAM127A	2.02	9.96E-42	7.54E-40
RABAC1	2.17	1.08E-41	8.17E-40
ERBB2IP	-1.87	1.09E-41	8.17E-40
HIST1H2BL	-7.21	1.15E-41	8.63E-40
OPHN1	-1.65	1.22E-41	9.14E-40
SOX12	2.49	1.31E-41	9.80E-40
C7orf50	2.07	1.38E-41	1.03E-39
TGIF1	1.32	1.66E-41	1.23E-39
UBE2I	1.12	1.73E-41	1.28E-39
CARHSP1	2.46	2.34E-41	1.73E-39
DPM3	2.69	2.52E-41	1.87E-39
CHMP6	1.60	2.59E-41	1.91E-39
FKTN	-1.32	2.64E-41	1.94E-39
SOX18	5.25	3.15E-41	2.31E-39
ASAP2	-1.64	3.27E-41	2.40E-39
PKM	2.23	3.44E-41	2.51E-39
RP11-444D3.1	-5.18	3.79E-41	2.76E-39
ZNF543	-1.45	3.84E-41	2.79E-39
SLC35F5	-2.03	4.26E-41	3.09E-39
RNF187	1.75	4.41E-41	3.19E-39
SSNA1	1.86	4.41E-41	3.19E-39
ZNF525	-2.15	4.45E-41	3.21E-39
CLCN5	-1.75	4.50E-41	3.24E-39
MVP	1.89	5.09E-41	3.65E-39
LZTS2	1.67	5.22E-41	3.74E-39
GTF2F1	1.27	5.52E-41	3.94E-39
DDIT4	4.40	5.81E-41	4.14E-39
RP11-598P20.3	-2.85	6.40E-41	4.55E-39

Gene	Value	P-value	Adj. P-value
GDI1	1.54	6.94E-41	4.92E-39
TPI1	2.15	7.90E-41	5.59E-39
GCSAM	-3.22	9.35E-41	6.60E-39
CITED4	2.63	9.48E-41	6.68E-39
RAB3B	-5.22	1.01E-40	7.08E-39
VCPIP1	-1.67	1.07E-40	7.49E-39
TTN	-4.28	1.15E-40	8.03E-39
HIST1H2BK	-3.01	1.17E-40	8.20E-39
GJB2	4.61	1.23E-40	8.58E-39
CD2BP2	1.16	1.24E-40	8.61E-39
SLC2A4RG	1.81	1.25E-40	8.64E-39
PRDX5	2.40	1.27E-40	8.80E-39
PRPF31	1.45	1.52E-40	1.05E-38
CDK9	1.33	1.57E-40	1.08E-38
COL18A1	2.95	1.92E-40	1.32E-38
SMAD2	-1.36	2.12E-40	1.46E-38
KCNE4	4.36	2.33E-40	1.59E-38
PRKCDBP	3.38	2.98E-40	2.03E-38
JMJD1C	-1.27	2.98E-40	2.03E-38
MXD4	1.66	3.02E-40	2.05E-38
TMUB1	2.06	3.12E-40	2.12E-38
IGFBP4	4.64	3.33E-40	2.26E-38
TWF2	2.04	4.22E-40	2.85E-38
B4GALT7	1.56	7.50E-40	5.06E-38
KIAA2022	-2.57	7.91E-40	5.33E-38
EPN1	1.86	8.10E-40	5.44E-38
CCDC137	1.66	1.34E-39	8.96E-38
NSRP1	1.70	1.62E-39	1.09E-37
COPS7A	1.35	2.00E-39	1.33E-37
KIAA1919	-2.01	2.17E-39	1.45E-37
RING1	1.33	3.02E-39	2.01E-37
PIM3	1.91	3.04E-39	2.01E-37
ZNF587B	-1.71	3.21E-39	2.13E-37
MACC1	-2.60	3.26E-39	2.16E-37
CCSAP	-2.36	3.32E-39	2.19E-37
ERCC6L2	-1.63	3.47E-39	2.28E-37
RP11-156E6.1	-2.03	3.65E-39	2.40E-37
RGS16	5.31	3.91E-39	2.56E-37
MAP3K2	-1.57	4.15E-39	2.71E-37
ZNF141	-2.32	4.36E-39	2.85E-37
ARL4C	2.13	5.67E-39	3.69E-37
SH2D3C	3.92	5.69E-39	3.70E-37
TEAD1	-1.84	5.89E-39	3.82E-37
GNAS	1.41	5.91E-39	3.83E-37
FPGS	2.34	6.38E-39	4.12E-37

CRTC2	2.13	6.44E-39	4.15E-37
DYNLT1	1.58	6.61E-39	4.25E-37
BCL2L1	1.61	6.63E-39	4.26E-37
RAMP3	3.71	8.48E-39	5.44E-37
AIP	2.31	8.58E-39	5.49E-37
BCL7B	1.43	9.04E-39	5.77E-37
CDK18	3.50	9.75E-39	6.21E-37
RLIM	-1.63	1.07E-38	6.77E-37
MED23	-1.15	1.12E-38	7.09E-37
MAPK11	2.99	1.15E-38	7.28E-37
HIST2H3D	-6.26	1.29E-38	8.18E-37
CCSER1	-3.41	1.33E-38	8.39E-37
ARID5A	2.77	1.44E-38	9.08E-37
IGF2	6.15	1.58E-38	9.95E-37
FAM234B	-1.97	1.60E-38	1.00E-36
TMEM9	2.07	1.69E-38	1.06E-36
MDFI	4.12	1.89E-38	1.18E-36
EML3	1.65	1.99E-38	1.24E-36
DOCK1	-1.41	2.14E-38	1.33E-36
CCDC51	1.55	2.14E-38	1.33E-36
RBL2	-0.87	2.20E-38	1.36E-36
ZNF428	2.51	2.35E-38	1.45E-36
PAK4	2.00	2.61E-38	1.61E-36
RBM12B	-1.41	2.64E-38	1.63E-36
LIMK1	1.95	2.73E-38	1.68E-36
PTPN14	-1.96	2.82E-38	1.73E-36
CCDC106	1.89	3.31E-38	2.03E-36
CARD19	1.65	3.38E-38	2.06E-36
NME4	2.96	3.69E-38	2.25E-36
RPS19BP1	1.30	3.83E-38	2.33E-36
4-Sep	3.05	4.07E-38	2.48E-36
POLA1	-1.45	4.97E-38	3.01E-36
GPR137	1.89	5.41E-38	3.27E-36
ZNHIT1	1.61	5.96E-38	3.60E-36
TMEM173	3.74	6.12E-38	3.69E-36
HS6ST1	1.79	6.38E-38	3.84E-36
CEP97	-1.56	6.90E-38	4.15E-36
FBXO46	1.70	7.35E-38	4.41E-36
FAM195B	3.13	9.33E-38	5.58E-36
CLPP	1.76	9.34E-38	5.58E-36
CANT1	1.42	9.49E-38	5.66E-36
LRBA	-1.84	1.08E-37	6.42E-36
SPHK1	3.05	1.18E-37	7.00E-36
PSMF1	1.01	1.28E-37	7.58E-36
PTPRN2	3.46	1.42E-37	8.37E-36

SEMA4B	2.57	1.42E-37	8.41E-36
TMEM204	3.51	1.56E-37	9.22E-36
ZMYM2	-1.25	1.61E-37	9.46E-36
SIPA1	2.44	1.66E-37	9.72E-36
FABP5	4.05	1.71E-37	1.00E-35
SMTN	2.58	1.90E-37	1.11E-35
KMT2C	-1.80	1.94E-37	1.13E-35
NXN	2.10	2.24E-37	1.31E-35
UBXN6	1.55	2.25E-37	1.31E-35
SMAD4	-1.15	2.39E-37	1.39E-35
CRYBG3	-2.19	2.43E-37	1.41E-35
RGMB	-1.60	2.59E-37	1.50E-35
NCR3LG1	-3.30	2.65E-37	1.53E-35
TSTA3	1.76	2.79E-37	1.61E-35
TCF3	1.39	2.81E-37	1.62E-35
SZRD1	1.24	2.94E-37	1.69E-35
HNRNPA2B1	1.06	3.37E-37	1.93E-35
ADRA2A	5.29	3.41E-37	1.95E-35
DLL4	4.89	3.70E-37	2.11E-35
PGAP1	-1.95	3.76E-37	2.15E-35
CNPPD1	1.26	3.78E-37	2.15E-35
LYPLA2	1.60	3.86E-37	2.20E-35
SHKBP1	1.67	4.13E-37	2.34E-35
GMPPA	1.42	4.20E-37	2.38E-35
SORBS3	2.51	4.84E-37	2.74E-35
PKN3	2.17	5.01E-37	2.83E-35
MAP2K2	1.50	5.11E-37	2.88E-35
UBE4A	-1.29	5.17E-37	2.91E-35
DDX41	1.61	5.46E-37	3.07E-35
SLC35A4	1.66	5.81E-37	3.25E-35
SNORD15B	-8.28	6.08E-37	3.40E-35
MAP3K10	2.08	6.30E-37	3.52E-35
ZNF724P	-2.77	6.92E-37	3.86E-35
ARHGEF17	3.38	8.54E-37	4.75E-35
ZNF91	-2.55	8.54E-37	4.75E-35
TACO1	1.26	8.81E-37	4.89E-35
RASA2	-1.45	8.92E-37	4.94E-35
SCARNA5	-13.22	1.10E-36	6.09E-35
METRN	3.14	1.15E-36	6.37E-35
SOCS4	-1.66	1.37E-36	7.57E-35
CHMP4B	1.46	1.49E-36	8.21E-35
PQLC1	1.41	1.53E-36	8.40E-35
PTPN13	-1.94	1.70E-36	9.33E-35
6-Mar	-1.17	1.76E-36	9.61E-35
RGS5	3.39	1.77E-36	9.66E-35

Gene	Value	p-value	adj. p-value
H1FX	2.40	1.98E-36	1.08E-34
NOL3	1.61	2.15E-36	1.17E-34
MFGE8	2.66	2.23E-36	1.21E-34
EXOC3L2	4.51	2.54E-36	1.38E-34
RBCK1	1.17	2.68E-36	1.45E-34
UPF3B	2.05	3.24E-36	1.75E-34
C5orf38	2.68	3.35E-36	1.81E-34
IFITM3	4.29	3.73E-36	2.01E-34
PTK7	1.81	3.80E-36	2.05E-34
SF3B2	1.15	4.21E-36	2.26E-34
ZNF644	-1.54	4.45E-36	2.38E-34
KIAA1328	-1.44	4.47E-36	2.39E-34
PXDN	4.97	4.49E-36	2.40E-34
EGFL7	3.91	4.59E-36	2.45E-34
MBOAT7	1.38	5.14E-36	2.74E-34
HRNR	7.81	5.16E-36	2.74E-34
PARK7	1.90	5.36E-36	2.84E-34
CEP295	-1.32	5.93E-36	3.14E-34
MRFAP1	1.48	6.06E-36	3.20E-34
XPO4	-1.42	6.47E-36	3.41E-34
NLGN4X	4.69	6.60E-36	3.48E-34
UGT3A2	-7.89	6.76E-36	3.55E-34
APLNR	5.12	7.14E-36	3.75E-34
H2AFJ	2.03	7.57E-36	3.97E-34
CHD9	-1.40	7.75E-36	4.05E-34
GPAA1	1.35	8.37E-36	4.38E-34
BCAM	2.32	8.60E-36	4.49E-34
CNP	1.22	9.31E-36	4.85E-34
ZNF408	1.59	9.38E-36	4.88E-34
TPBG	2.27	9.40E-36	4.88E-34
NPAT	-1.39	1.11E-35	5.77E-34
SCAF8	-0.99	1.13E-35	5.84E-34
VAMP5	4.03	1.13E-35	5.86E-34
MT-ND6	5.86	1.21E-35	6.22E-34
CHMP2A	1.37	1.21E-35	6.22E-34
PFKL	1.43	1.29E-35	6.61E-34
AGO3	-1.54	1.38E-35	7.10E-34
CTD-2270P14.1	-3.30	1.43E-35	7.32E-34
WBP2	1.44	1.43E-35	7.32E-34
AKAP11	-1.36	1.56E-35	7.96E-34
ZGRF1	-1.98	1.77E-35	9.03E-34
VMA21	-1.79	2.02E-35	1.03E-33
PHC2	2.02	2.02E-35	1.03E-33
SAFB2	1.66	2.56E-35	1.30E-33
KDM7A	-1.57	2.56E-35	1.30E-33

Gene	Value	p-value	adj. p-value
SUGP1	1.03	2.68E-35	1.35E-33
BTBD2	1.28	2.71E-35	1.37E-33
GTPBP2	1.47	2.97E-35	1.50E-33
LYST	-1.79	2.97E-35	1.50E-33
DMD	-1.98	3.03E-35	1.52E-33
DNAJC13	-0.96	3.21E-35	1.61E-33
ARRDC2	2.11	3.22E-35	1.61E-33
BCL3	3.49	3.37E-35	1.69E-33
ITPA	1.54	3.42E-35	1.71E-33
WHSC1L1	-0.93	3.58E-35	1.79E-33
SFN	2.60	3.58E-35	1.79E-33
APOBEC3C	2.04	3.61E-35	1.79E-33
MED16	1.53	3.73E-35	1.85E-33
UTP20	-1.39	3.79E-35	1.88E-33
TMPRSS11D	6.27	3.90E-35	1.93E-33
GPANK1	1.45	4.06E-35	2.00E-33
UCK1	1.16	4.16E-35	2.05E-33
ZBTB45	1.72	4.46E-35	2.20E-33
LL0XNC01-131B10.2	-3.29	4.47E-35	2.20E-33
TIE1	3.93	4.59E-35	2.25E-33
ACD	1.99	5.25E-35	2.58E-33
CSNK1G2	1.29	5.52E-35	2.70E-33
EPPK1	-3.82	6.13E-35	3.00E-33
AP3D1	1.06	6.25E-35	3.05E-33
BDP1	-1.60	6.83E-35	3.33E-33
CDH3	2.72	7.48E-35	3.64E-33
HELLS	-1.98	8.15E-35	3.96E-33
SNORA54	-14.51	8.63E-35	4.19E-33
SNTA1	2.23	8.90E-35	4.31E-33
ST14	1.77	9.83E-35	4.75E-33
ZNF510	-1.19	1.00E-34	4.85E-33
GPIHBP1	4.33	1.08E-34	5.19E-33
APC	-1.54	1.21E-34	5.81E-33
SH3BGRL3	2.14	1.23E-34	5.89E-33
C2CD2	-2.03	1.25E-34	5.98E-33
ZC3H12C	-2.02	1.32E-34	6.35E-33
HMGN5	2.97	1.52E-34	7.26E-33
LRP6	-1.25	1.55E-34	7.40E-33
NFKBIL1	1.74	1.56E-34	7.44E-33
PIH1D1	1.55	1.58E-34	7.55E-33
AP2S1	2.03	1.59E-34	7.56E-33
EYS	-4.18	1.70E-34	8.08E-33
C19orf43	1.66	1.72E-34	8.16E-33
USP33	-1.00	1.76E-34	8.31E-33
BAG3	1.70	1.82E-34	8.62E-33

ZNF490	-2.19	1.97E-34	9.29E-33
RP11-53O19.1	-2.84	1.99E-34	9.37E-33
USP9X	-1.33	2.12E-34	9.98E-33
BLOC1S4	1.58	2.13E-34	1.00E-32
SBF2	-1.09	2.21E-34	1.04E-32
TMEM214	1.41	2.21E-34	1.04E-32
GALK1	2.35	2.26E-34	1.06E-32
NLRX1	2.08	2.31E-34	1.08E-32
C19orf53	1.68	2.47E-34	1.15E-32
SLC35C1	2.11	2.66E-34	1.24E-32
PDGFB	2.87	2.81E-34	1.31E-32
HIST1H4D	-12.74	2.88E-34	1.34E-32
DAPP1	-1.60	2.89E-34	1.34E-32
VPS54	-1.23	3.12E-34	1.44E-32
MAK16	-1.55	3.14E-34	1.45E-32
RFNG	1.59	3.19E-34	1.47E-32
SNORA79	-9.77	3.25E-34	1.50E-32
ROBO4	3.95	3.35E-34	1.54E-32
AP000648.5	-2.72	3.39E-34	1.56E-32
SLC1A2	-5.04	3.58E-34	1.64E-32
ZNF529	-1.36	3.74E-34	1.72E-32
RPL26	-2.66	3.77E-34	1.72E-32
SART1	1.50	3.77E-34	1.73E-32
RNF19B	1.27	3.78E-34	1.73E-32
SNORA34	-7.81	3.91E-34	1.78E-32
TMEM120A	1.58	4.26E-34	1.94E-32
MFSD10	1.94	4.48E-34	2.04E-32
RABL6	1.46	4.57E-34	2.08E-32
CD151	2.04	4.69E-34	2.13E-32
RICTOR	-1.72	4.73E-34	2.14E-32
ZNF711	-2.70	4.95E-34	2.24E-32
ANKFN1	-3.88	5.16E-34	2.33E-32
CPNE2	2.13	5.65E-34	2.55E-32
GPATCH2	-1.22	5.76E-34	2.59E-32
GGT5	5.60	6.02E-34	2.70E-32
ATP6V0A2	-1.37	6.19E-34	2.78E-32
TMBIM1	1.26	6.23E-34	2.79E-32
C8orf82	1.86	7.00E-34	3.13E-32
ZNF84	2.26	7.47E-34	3.34E-32
PLEKHA4	3.33	7.57E-34	3.38E-32
BRCA2	-2.00	7.68E-34	3.42E-32
ZNF780A	-1.88	7.82E-34	3.48E-32
MED10	1.63	7.86E-34	3.49E-32
NCSTN	0.94	8.04E-34	3.57E-32
ARHGAP5	-1.64	8.09E-34	3.58E-32

FAM189B	2.52	8.21E-34	3.63E-32
NF1	-1.32	8.43E-34	3.73E-32
ATM	-1.46	8.85E-34	3.91E-32
ZNF765	-1.54	9.23E-34	4.07E-32
HIST1H2BI	-9.10	1.02E-33	4.49E-32
PRR14	2.07	1.04E-33	4.57E-32
MRPL28	1.73	1.11E-33	4.86E-32
SPG11	-1.11	1.12E-33	4.91E-32
TCP11L2	-2.12	1.15E-33	5.01E-32
MCAM	4.86	1.20E-33	5.25E-32
PTP4A3	3.79	1.25E-33	5.46E-32
P3H4	2.24	1.30E-33	5.67E-32
PTPN4	-1.80	1.35E-33	5.87E-32
ARAP3	3.14	1.41E-33	6.11E-32
PRKDC	-1.42	1.46E-33	6.34E-32
SF3A2	2.15	1.51E-33	6.55E-32
C7orf26	1.42	1.55E-33	6.70E-32
CHST1	6.97	1.56E-33	6.76E-32
REV3L	-1.78	1.57E-33	6.79E-32
P4HB	1.30	1.59E-33	6.87E-32
ARHGEF12	-1.42	1.63E-33	7.01E-32
ZNF138	-1.66	1.79E-33	7.70E-32
SNORA22	-6.31	1.84E-33	7.92E-32
MON2	-1.41	1.93E-33	8.28E-32
CTSD	1.86	2.03E-33	8.71E-32
MESDC1	2.19	2.15E-33	9.18E-32
ANGPTL5	-5.62	2.16E-33	9.24E-32
UAP1L1	2.81	2.27E-33	9.67E-32
ZZZ3	-1.19	2.36E-33	1.01E-31
STRN4	1.41	2.43E-33	1.03E-31
POLE4	1.97	2.53E-33	1.08E-31
PIK3C2A	-1.23	2.56E-33	1.09E-31
R3HDM4	1.91	2.57E-33	1.09E-31
ARPC4	1.45	2.69E-33	1.14E-31
NFKBIB	1.51	2.72E-33	1.15E-31
SYT8	-3.25	2.86E-33	1.21E-31
TRAF4	1.96	2.87E-33	1.21E-31
CSRP2	3.14	2.90E-33	1.22E-31
VPS9D1	2.19	3.04E-33	1.28E-31
SLC31A2	-2.47	3.18E-33	1.33E-31
CACFD1	2.21	3.24E-33	1.36E-31
SRC	1.39	3.40E-33	1.43E-31
DPM2	1.64	3.46E-33	1.45E-31
TADA3	1.34	3.62E-33	1.51E-31
PTPN21	-1.98	3.99E-33	1.66E-31

Gene	Value	P-value	Adj P-value
GPR108	1.27	4.63E-33	1.93E-31
TCF25	1.12	4.70E-33	1.95E-31
RP11-379F4.4	-3.90	5.04E-33	2.09E-31
SAT1	2.49	5.16E-33	2.14E-31
SCN4B	2.81	5.62E-33	2.33E-31
SIRT3	1.39	5.70E-33	2.36E-31
EPB41	-1.64	5.74E-33	2.37E-31
CAPNS1	2.59	5.79E-33	2.39E-31
USP31	-1.74	5.90E-33	2.43E-31
TIMM13	1.82	6.00E-33	2.47E-31
NXPH4	3.25	6.02E-33	2.47E-31
PES1	1.44	6.30E-33	2.59E-31
RASL11A	2.53	6.68E-33	2.74E-31
CHPF	2.24	7.09E-33	2.90E-31
HELZ	-1.37	7.25E-33	2.97E-31
LONP1	1.38	7.27E-33	2.97E-31
KRT14	2.64	7.44E-33	3.03E-31
SEMA6B	5.58	8.49E-33	3.46E-31
GIPC2	-2.26	8.87E-33	3.61E-31
RELA	1.20	9.06E-33	3.68E-31
CCDC7	-2.52	9.64E-33	3.91E-31
TMEM238	2.71	9.70E-33	3.93E-31
GRK5	2.69	9.92E-33	4.01E-31
ATP13A2	1.43	1.06E-32	4.28E-31
JAK2	-1.40	1.19E-32	4.79E-31
LDOC1	2.24	1.24E-32	4.98E-31
DUSP23	1.83	1.28E-32	5.15E-31
SLC16A7	-2.64	1.29E-32	5.17E-31
PDRG1	1.75	1.29E-32	5.18E-31
TRMT112	1.73	1.30E-32	5.23E-31
ASL	1.63	1.31E-32	5.26E-31
HAPLN3	3.28	1.32E-32	5.28E-31
PDAP1	1.56	1.33E-32	5.32E-31
SPRR1B	5.26	1.34E-32	5.35E-31
TMEM134	1.85	1.38E-32	5.52E-31
SKIDA1	-2.35	1.42E-32	5.64E-31
C19orf24	2.06	1.43E-32	5.69E-31
RRAS	2.49	1.50E-32	5.96E-31
TMEM33	-1.49	1.50E-32	5.96E-31
PPM1F	1.67	1.58E-32	6.28E-31
TAGLN	4.12	1.60E-32	6.35E-31
ZFX	-1.22	1.64E-32	6.50E-31
N4BP2	-1.78	1.70E-32	6.73E-31
PELP1	1.48	1.72E-32	6.78E-31
TAF10	1.43	1.79E-32	7.06E-31

ATP5SL	1.31	1.80E-32	7.08E-31
MLST8	1.57	1.84E-32	7.21E-31
GIPC1	1.83	1.87E-32	7.33E-31
NR1H2	1.40	1.98E-32	7.75E-31
ZMYM1	-1.51	2.06E-32	8.07E-31
ZNF282	1.35	2.15E-32	8.41E-31
BSG	1.77	2.16E-32	8.42E-31
ZBTB11	-1.16	2.24E-32	8.72E-31
ZNF398	-1.02	2.35E-32	9.15E-31
INTS2	-1.16	2.55E-32	9.91E-31
STARD10	1.65	2.89E-32	1.12E-30
TRPM7	-1.25	2.95E-32	1.14E-30
CCDC85B	2.62	2.99E-32	1.16E-30
HIST1H2BF	-7.34	3.10E-32	1.20E-30
CNDP2	1.58	3.11E-32	1.20E-30
AES	1.28	3.19E-32	1.23E-30
ZBTB3	-1.53	3.30E-32	1.27E-30
SLC38A10	1.69	3.36E-32	1.29E-30
PMPCA	0.93	3.54E-32	1.36E-30
CES2	1.14	4.03E-32	1.55E-30
UBR3	-1.33	4.18E-32	1.60E-30
NFATC2	-1.54	4.21E-32	1.61E-30
TPGS1	2.05	4.23E-32	1.62E-30
RLF	-1.57	4.32E-32	1.65E-30
RALB	1.53	4.67E-32	1.78E-30
GRASP	2.84	4.70E-32	1.79E-30
UBR2	-1.13	5.18E-32	1.97E-30
ATAD5	-1.70	5.24E-32	2.00E-30
ATP7A	-2.11	5.25E-32	2.00E-30
HIST1H4B	-10.19	5.26E-32	2.00E-30
CDK2AP1	1.55	5.36E-32	2.03E-30
MGLL	1.90	5.46E-32	2.07E-30
SPRY1	1.89	5.57E-32	2.11E-30
C17orf62	2.00	5.93E-32	2.24E-30
NMT1	0.73	6.32E-32	2.38E-30
CASP14	3.14	6.70E-32	2.53E-30
HYAL2	1.98	7.01E-32	2.64E-30
CSNK1D	1.89	7.22E-32	2.71E-30
NOSIP	1.46	7.75E-32	2.91E-30
KAT6A	-1.43	7.93E-32	2.98E-30
HRAS	1.60	8.10E-32	3.04E-30
KCNJ13	-3.28	8.18E-32	3.06E-30
SCARNA6	-12.22	8.86E-32	3.31E-30
PLEKHO1	3.26	8.89E-32	3.32E-30
RCAN3	-1.51	9.10E-32	3.39E-30

TMEM132A	4.37	9.93E-32	3.70E-30
ZNF319	1.69	9.94E-32	3.70E-30
EPHB4	1.50	1.03E-31	3.82E-30
ZNF652	-1.97	1.04E-31	3.88E-30
CCNJL	3.58	1.06E-31	3.93E-30
RAB11B	2.77	1.09E-31	4.02E-30
FAM83A	3.57	1.10E-31	4.06E-30
PPP1R9B	1.59	1.14E-31	4.21E-30
RP1-225E12.2	-5.23	1.17E-31	4.30E-30
MTPAP	-1.42	1.17E-31	4.32E-30
MAP7D1	1.64	1.18E-31	4.35E-30
DENND4A	-1.16	1.19E-31	4.39E-30
KRT9	9.95	1.20E-31	4.39E-30
TNFAIP1	1.04	1.23E-31	4.51E-30
SIGIRR	2.62	1.23E-31	4.52E-30
SIRT6	1.99	1.28E-31	4.69E-30
PLIN3	1.88	1.28E-31	4.69E-30
RP11-632K20.7	-2.34	1.28E-31	4.69E-30
ICE1	-1.00	1.29E-31	4.70E-30
SLC39A7	2.02	1.31E-31	4.78E-30
MMP15	2.34	1.32E-31	4.81E-30
ZNF431	-1.62	1.33E-31	4.82E-30
IL4R	2.63	1.67E-31	6.05E-30
RXRB	1.42	1.72E-31	6.24E-30
ATG2B	-1.70	1.79E-31	6.49E-30
TMED9	1.71	1.85E-31	6.70E-30
ALG10B	-1.77	1.87E-31	6.76E-30
STARD3	1.50	2.10E-31	7.58E-30
ARHGEF1	1.53	2.41E-31	8.68E-30
RABGAP1L	-1.78	2.45E-31	8.81E-30
PVRL2	1.64	2.67E-31	9.59E-30
PIK3CA	-1.12	2.67E-31	9.59E-30
MEGF11	-4.26	2.80E-31	1.01E-29
ZYX	2.74	2.83E-31	1.02E-29
ZNF615	-1.49	2.87E-31	1.03E-29
TRABD	1.89	2.90E-31	1.04E-29
LHPP	2.00	2.93E-31	1.05E-29
ADPRHL2	1.25	2.94E-31	1.05E-29
HEATR1	-1.27	3.08E-31	1.10E-29
RN7SL4P	-12.07	3.18E-31	1.13E-29
PPP1R26	1.90	3.18E-31	1.13E-29
YBX1	1.54	3.20E-31	1.14E-29
AFF4	-1.10	3.22E-31	1.14E-29
HDAC1	1.18	3.27E-31	1.16E-29
DGKZ	1.49	3.48E-31	1.23E-29

MOB1B	-1.60	3.65E-31	1.29E-29
ATAD2B	-1.66	3.79E-31	1.34E-29
RNY1	-13.45	3.89E-31	1.37E-29
MSN	1.47	3.95E-31	1.39E-29
MRPS30	-1.33	4.03E-31	1.42E-29
CASP9	2.33	4.35E-31	1.53E-29
ZNF780B	-2.03	4.42E-31	1.55E-29
MMP11	7.01	4.48E-31	1.57E-29
SOX5	-3.38	4.54E-31	1.59E-29
TRADD	1.78	4.60E-31	1.61E-29
FAM160A1	-1.99	5.08E-31	1.78E-29
ZNF619	-1.67	5.15E-31	1.80E-29
TET2	-1.50	6.25E-31	2.18E-29
RABGGTA	1.50	6.52E-31	2.27E-29
PHLDA3	1.65	7.48E-31	2.61E-29
MOB2	1.24	7.81E-31	2.72E-29
CD63	2.89	8.16E-31	2.84E-29
TMEM259	1.93	8.88E-31	3.08E-29
PCM1	-1.16	8.90E-31	3.09E-29
BCL2L12	2.24	9.43E-31	3.27E-29
NMRAL1	1.16	9.62E-31	3.33E-29
IER2	2.58	9.69E-31	3.35E-29
LIN7C	-2.03	9.73E-31	3.36E-29
HMBOX1	-1.40	9.78E-31	3.37E-29
DCP2	-1.36	1.04E-30	3.58E-29
CDKN1C	3.27	1.09E-30	3.74E-29
LINC01254	-5.05	1.10E-30	3.77E-29
ZCCHC11	-1.27	1.13E-30	3.89E-29
SNORA49	-12.48	1.16E-30	3.97E-29
PLOD1	2.55	1.19E-30	4.07E-29
TFPT	2.38	1.25E-30	4.29E-29
HOMER3	2.50	1.28E-30	4.39E-29
PLPPR2	2.15	1.28E-30	4.39E-29
TMEM132B	-3.59	1.32E-30	4.50E-29
PML	1.87	1.37E-30	4.68E-29
FTSJ3	1.11	1.38E-30	4.69E-29
UPP1	3.32	1.54E-30	5.24E-29
CDKAL1	-1.32	1.54E-30	5.24E-29
CEP44	-1.51	1.62E-30	5.50E-29
RN7SKP203	-12.17	1.69E-30	5.73E-29
CDH12	-5.26	1.71E-30	5.78E-29
RNASEH2C	1.75	1.72E-30	5.80E-29
HOOK3	-1.44	1.89E-30	6.38E-29
SNORA7B	-7.08	1.97E-30	6.66E-29
GNPTG	1.33	2.02E-30	6.81E-29

Gene	Value	p-value	FDR
ST5	2.21	2.07E-30	6.96E-29
STXBP2	1.91	2.09E-30	7.03E-29
NAB1	-1.84	2.10E-30	7.07E-29
SNORD89	-7.54	2.11E-30	7.08E-29
TOPBP1	-0.98	2.11E-30	7.09E-29
C12orf10	1.28	2.12E-30	7.11E-29
CCND3	1.35	2.27E-30	7.61E-29
SRSF9	1.33	2.29E-30	7.65E-29
RP11-757F18.5	-3.85	2.33E-30	7.79E-29
MAPK1	-1.24	2.42E-30	8.07E-29
PAIP2B	-2.23	2.48E-30	8.27E-29
TTC21B	-1.68	2.49E-30	8.30E-29
CCDC97	1.58	2.54E-30	8.46E-29
CALM3	1.50	2.56E-30	8.52E-29
FHL3	2.35	2.64E-30	8.77E-29
SRSF10	1.80	2.67E-30	8.86E-29
C10orf99	4.78	2.83E-30	9.38E-29
MACF1	-1.86	2.94E-30	9.73E-29
CENPC	-1.55	3.13E-30	1.04E-28
TMEM39B	1.77	3.25E-30	1.07E-28
MPZL2	2.47	3.30E-30	1.09E-28
ZFYVE9	-1.23	3.45E-30	1.14E-28
MYO1C	1.26	3.56E-30	1.17E-28
ZC3H11A	-0.83	3.59E-30	1.18E-28
ACP5	2.60	3.62E-30	1.19E-28
MYL6B	1.82	3.67E-30	1.20E-28
NDUFA9	-1.24	4.37E-30	1.43E-28
SCAF1	2.07	4.42E-30	1.45E-28
WDR7	-1.12	4.66E-30	1.52E-28
HIST1H3F	-9.88	4.79E-30	1.57E-28
HEYL	4.04	5.02E-30	1.64E-28
GRAMD1A	2.77	5.10E-30	1.66E-28
PRKACA	1.88	5.15E-30	1.68E-28
CYGB	3.76	5.30E-30	1.73E-28
WDR1	1.14	5.36E-30	1.74E-28
ARFRP1	1.72	5.40E-30	1.75E-28
SCNM1	1.20	5.52E-30	1.79E-28
ISG20L2	1.10	5.55E-30	1.80E-28
MVB12A	1.51	5.60E-30	1.81E-28
EHBP1L1	1.88	5.73E-30	1.85E-28
USP24	-1.27	5.94E-30	1.92E-28
VAV2	1.70	5.96E-30	1.92E-28
SCYL1	1.16	6.08E-30	1.96E-28
PPDPF	2.66	6.23E-30	2.01E-28
ZNF347	-1.25	6.36E-30	2.05E-28

EGFLAM	4.08	6.56E-30	2.11E-28
RAB35	1.04	6.94E-30	2.23E-28
EHD2	2.52	7.08E-30	2.27E-28
NELFB	1.34	7.14E-30	2.29E-28
RPUSD1	1.61	7.33E-30	2.35E-28
ZNF704	-1.55	7.37E-30	2.36E-28
AURKAIP1	1.66	7.62E-30	2.44E-28
NUP62	1.14	8.01E-30	2.56E-28
UBALD1	2.29	8.03E-30	2.56E-28
RIN3	2.47	8.11E-30	2.58E-28
CIB1	2.08	8.14E-30	2.59E-28
SCEL	-3.05	8.17E-30	2.60E-28
RNPS1	0.95	8.62E-30	2.74E-28
PRMT1	1.57	8.65E-30	2.75E-28
KXD1	1.19	9.40E-30	2.98E-28
MYPOP	1.93	9.45E-30	2.99E-28
FTH1	3.82	9.54E-30	3.02E-28
SPTBN1	-1.39	1.03E-29	3.24E-28
ZNF503-AS2	2.32	1.10E-29	3.48E-28
SWT1	-1.20	1.27E-29	4.00E-28
MT1M	3.27	1.29E-29	4.05E-28
NDUFB8	-1.79	1.34E-29	4.24E-28
LCORL	-1.65	1.36E-29	4.28E-28
DDRGK1	1.27	1.42E-29	4.47E-28
DAZAP1	1.23	1.45E-29	4.55E-28
SAFB	1.18	1.45E-29	4.55E-28
C5orf42	-1.49	1.63E-29	5.10E-28
ADAM12	5.01	1.74E-29	5.44E-28
RIC1	-0.90	1.78E-29	5.57E-28
RHOT1	-1.62	1.90E-29	5.95E-28
TIMM44	1.07	1.93E-29	6.02E-28
RARRES2	6.60	1.94E-29	6.04E-28
RASSF9	-2.04	1.95E-29	6.09E-28
ARFGEF1	-1.18	2.42E-29	7.54E-28
B4GALT1	1.96	2.49E-29	7.74E-28
PPIP5K2	-1.15	2.69E-29	8.37E-28
FURIN	1.61	2.76E-29	8.57E-28
FANCM	-1.51	2.79E-29	8.65E-28
DPP7	1.70	2.79E-29	8.65E-28
USB1	2.69	2.92E-29	9.05E-28
TRIP10	2.01	3.07E-29	9.50E-28
ZNF184	-1.48	3.10E-29	9.56E-28
VPS13A	-2.04	3.23E-29	9.96E-28
ILF3-AS1	1.68	3.39E-29	1.04E-27
SPAG9	-0.88	3.46E-29	1.07E-27

RIN2	1.38	3.54E-29	1.09E-27
FBL	1.74	3.78E-29	1.16E-27
NEXN	2.65	3.83E-29	1.18E-27
GMDS	2.23	3.90E-29	1.20E-27
EIF5B	1.49	3.94E-29	1.21E-27
NCAPD3	-1.31	4.02E-29	1.23E-27
RAB24	2.29	4.07E-29	1.24E-27
AP5M1	-1.24	4.21E-29	1.29E-27
TRAPPC2L	1.30	4.25E-29	1.30E-27
RORA-AS1	-4.77	4.28E-29	1.31E-27
DYSF	4.04	4.29E-29	1.31E-27
C19orf60	1.44	4.32E-29	1.31E-27
MIS18BP1	-1.39	4.37E-29	1.33E-27
GNB2	1.84	4.46E-29	1.35E-27
CST3	2.86	4.54E-29	1.38E-27
CXXC1	1.39	4.58E-29	1.39E-27
PLEKHA5	-1.19	5.02E-29	1.52E-27
ADCK4	1.32	5.04E-29	1.52E-27
SNORD94	-6.19	5.16E-29	1.56E-27
CHCHD5	2.12	5.40E-29	1.63E-27
GAPDH	2.05	5.83E-29	1.76E-27
TGM2	5.71	5.85E-29	1.76E-27
QDPR	1.66	5.97E-29	1.80E-27
FAM83F	-1.80	6.06E-29	1.83E-27
C12orf75	2.05	6.09E-29	1.83E-27
DICER1	-1.21	6.38E-29	1.92E-27
SAP30BP	0.95	6.45E-29	1.93E-27
HPCAL1	1.91	6.67E-29	2.00E-27
UQCRC1	1.31	6.76E-29	2.02E-27
KIF27	-1.76	7.44E-29	2.23E-27
OCEL1	2.20	7.73E-29	2.31E-27
NCOA2	-1.33	8.08E-29	2.41E-27
CCDC102A	1.84	8.40E-29	2.51E-27
SPRY4	4.55	8.47E-29	2.52E-27
AFF1	-1.34	8.59E-29	2.56E-27
RHBDD3	1.93	8.63E-29	2.57E-27
PIK3C2G	-2.11	8.81E-29	2.62E-27
DHRS7	1.64	9.04E-29	2.69E-27
CRABP2	2.99	1.00E-28	2.97E-27
ZNF688	1.79	1.02E-28	3.03E-27
COTL1	3.09	1.02E-28	3.03E-27
FGD4	-1.66	1.03E-28	3.06E-27
PODNL1	2.93	1.04E-28	3.07E-27
SOX4	1.99	1.11E-28	3.28E-27
KLF2	3.30	1.15E-28	3.39E-27

AKR1B10	5.33	1.19E-28	3.50E-27
NAT14	2.70	1.19E-28	3.50E-27
MAP2K7	1.37	1.21E-28	3.56E-27
ST6GALNAC6	1.44	1.25E-28	3.67E-27
RAB1B	1.40	1.27E-28	3.72E-27
HMG20B	1.50	1.32E-28	3.86E-27
SERPINB6	1.85	1.32E-28	3.86E-27
G29816	-5.58	1.34E-28	3.91E-27
OGFR	1.25	1.37E-28	4.01E-27
CTC-559E9.5	-2.35	1.40E-28	4.08E-27
LCMT1-AS2	-4.13	1.45E-28	4.25E-27
GYS1	1.47	1.56E-28	4.55E-27
PCGF2	3.36	1.57E-28	4.59E-27
SOX7	2.48	1.59E-28	4.64E-27
ZNF467	1.86	1.74E-28	5.07E-27
JUNB	2.76	1.89E-28	5.50E-27
NSMF	2.09	2.02E-28	5.88E-27
NUBP1	1.49	2.10E-28	6.08E-27
MYL9	3.85	2.24E-28	6.48E-27
MPP5	-1.17	2.29E-28	6.64E-27
ARFGEF2	-1.23	2.47E-28	7.15E-27
RAB11FIP3	1.54	2.52E-28	7.29E-27
UPF3A	1.34	2.57E-28	7.43E-27
CALD1	2.07	2.64E-28	7.62E-27
STK32C	2.28	2.73E-28	7.87E-27
TMEM129	1.24	2.79E-28	8.02E-27
MMP14	2.73	2.81E-28	8.08E-27
XPNPEP3	-1.41	3.05E-28	8.78E-27
C12orf43	1.20	3.08E-28	8.86E-27
OGFOD3	1.44	3.09E-28	8.87E-27
USP45	-1.60	3.26E-28	9.35E-27
TIMM22	1.07	3.30E-28	9.46E-27
PAMR1	-2.97	3.32E-28	9.51E-27
PRPF38B	1.51	3.34E-28	9.55E-27
ADGRG6	-1.65	3.39E-28	9.70E-27
QSOX1	1.81	3.53E-28	1.01E-26
ATF6B	1.36	3.80E-28	1.08E-26
FABP5P7	4.46	3.85E-28	1.10E-26
ZNF623	-1.03	4.43E-28	1.26E-26
AGRN	1.73	4.59E-28	1.31E-26
SCARF2	4.43	4.59E-28	1.31E-26
ATP1A1	1.86	4.77E-28	1.36E-26
C11orf84	2.40	4.80E-28	1.36E-26
UBA1	0.90	5.01E-28	1.42E-26
CA13	-2.00	5.08E-28	1.44E-26

MYDGF	1.92	5.11E-28	1.45E-26
EIF4EBP1	2.78	5.88E-28	1.66E-26
CHRM4	-4.10	5.90E-28	1.67E-26
SYDE2	-2.60	6.17E-28	1.74E-26
CCDC61	1.92	6.18E-28	1.74E-26
NCKIPSD	1.38	6.22E-28	1.75E-26
NMB	3.14	6.28E-28	1.77E-26
CTGF	4.23	6.43E-28	1.81E-26
CRELD2	1.72	6.45E-28	1.81E-26
ZNF484	-1.64	6.59E-28	1.85E-26
SLC35F6	-1.41	6.63E-28	1.86E-26
HBB	-5.98	6.70E-28	1.88E-26
GNL1	1.04	6.95E-28	1.95E-26
GJB6	3.62	7.00E-28	1.96E-26
EIF1	1.32	7.22E-28	2.02E-26
ISYNA1	2.88	7.44E-28	2.08E-26
CLTA	1.20	7.55E-28	2.11E-26
ADAMTSL3	-2.99	7.63E-28	2.13E-26
HSPBP1	1.76	7.65E-28	2.13E-26
RCE1	1.49	7.75E-28	2.16E-26
EFHD2	1.86	7.82E-28	2.18E-26
MCOLN1	1.69	8.10E-28	2.25E-26
KLHDC3	1.21	8.20E-28	2.28E-26
MRPL2	1.36	8.26E-28	2.29E-26
NUPR1	1.63	8.49E-28	2.35E-26
TRAF6	-1.17	8.53E-28	2.36E-26
ATXN7L3	1.14	8.60E-28	2.38E-26
ZNF732	-3.18	8.66E-28	2.39E-26
ZNF700	-1.18	9.03E-28	2.49E-26
CDH5	3.71	9.18E-28	2.53E-26
RFXANK	1.26	9.29E-28	2.56E-26
CNPY3	1.70	9.44E-28	2.60E-26
KLHL28	-1.47	9.54E-28	2.62E-26
ARIH1	-1.26	9.58E-28	2.63E-26
MED13L	-1.13	9.69E-28	2.66E-26
SMAD7	1.69	1.03E-27	2.82E-26
LPCAT1	2.31	1.04E-27	2.84E-26
ZNF17	-1.28	1.07E-27	2.92E-26
CAMK2G	0.91	1.10E-27	3.01E-26
UBXN1	1.49	1.11E-27	3.05E-26
IFITM2	4.32	1.13E-27	3.09E-26
TESK1	1.55	1.15E-27	3.14E-26
FAM208B	-1.32	1.16E-27	3.17E-26
FZR1	1.25	1.19E-27	3.23E-26
OIP5-AS1	-1.50	1.19E-27	3.23E-26

Gene	Value	p-value	adj. p-value
NCLN	1.60	1.20E-27	3.26E-26
NCK2	1.32	1.20E-27	3.27E-26
NLGN2	3.31	1.22E-27	3.32E-26
BCAP31	1.49	1.25E-27	3.39E-26
CHID1	1.24	1.26E-27	3.42E-26
CYBA	3.54	1.27E-27	3.43E-26
PREB	1.19	1.28E-27	3.47E-26
SYDE1	3.21	1.29E-27	3.48E-26
PANK3	-1.80	1.30E-27	3.52E-26
CEMIP	4.84	1.34E-27	3.63E-26
YDJC	1.51	1.36E-27	3.67E-26
TMEM237	-1.34	1.38E-27	3.73E-26
ZNF598	1.73	1.40E-27	3.77E-26
CCDC71	1.25	1.44E-27	3.88E-26
N4BP2L2-IT2	-3.80	1.46E-27	3.93E-26
HIST1H3E	-3.40	1.49E-27	3.99E-26
MYL6	1.43	1.49E-27	3.99E-26
PEAR1	3.90	1.56E-27	4.19E-26
ADGRF5	3.58	1.57E-27	4.20E-26
FMN1	-1.85	1.69E-27	4.52E-26
EPAS1	1.75	1.75E-27	4.69E-26
DNAH11	-5.01	1.98E-27	5.29E-26
RP11-15H20.6	-3.40	2.01E-27	5.37E-26
CLEC11A	3.24	2.03E-27	5.43E-26
SEC14L1	1.41	2.15E-27	5.72E-26
TMC6	2.36	2.36E-27	6.27E-26
GPR4	6.31	2.46E-27	6.55E-26
LTBR	1.25	2.52E-27	6.71E-26
GRIN3A	-2.72	2.56E-27	6.81E-26
EMILIN1	4.80	2.57E-27	6.81E-26
WBSCR16	1.21	2.73E-27	7.23E-26
ACVR2A	-1.53	2.76E-27	7.32E-26
CHTOP	0.84	2.81E-27	7.43E-26
GXYLT1	-1.20	2.93E-27	7.75E-26
PACS1	2.21	2.93E-27	7.75E-26
CRYM-AS1	-3.21	2.94E-27	7.78E-26
KCNJ15	2.83	3.13E-27	8.26E-26
AKAP5	-3.34	3.19E-27	8.41E-26
PKHD1L1	-3.92	3.23E-27	8.50E-26
HIST1H2AH	-11.33	3.34E-27	8.79E-26
FAM219A	1.37	4.12E-27	1.08E-25
FMO3	6.91	4.26E-27	1.12E-25
CCNT2	-1.10	4.28E-27	1.13E-25
HIST2H2AB	-8.07	4.45E-27	1.17E-25
PSD3	-1.63	4.61E-27	1.21E-25

CUL7	1.13	4.75E-27	1.24E-25
STMN2	7.41	4.79E-27	1.25E-25
NIPBL	-1.25	4.79E-27	1.25E-25
CPXM1	7.91	4.86E-27	1.27E-25
NDUFB10	1.20	4.86E-27	1.27E-25
FBXL4	-1.46	4.88E-27	1.27E-25
GTF3C5	0.89	4.96E-27	1.29E-25
G32779	3.83	5.06E-27	1.32E-25
MIR4435-2HG	4.32	5.27E-27	1.37E-25
LAMB4	-2.52	5.42E-27	1.41E-25
GAR1	1.52	5.64E-27	1.47E-25
REPIN1	1.27	6.03E-27	1.57E-25
LRIG2	-1.40	6.10E-27	1.58E-25
MPV17L2	1.55	6.21E-27	1.61E-25
KIAA0586	-1.02	6.31E-27	1.63E-25
CTD-2328D6.1	9.46	6.50E-27	1.68E-25
RAMP2	3.18	6.55E-27	1.69E-25
CRYL1	2.14	6.64E-27	1.71E-25
AGTPBP1	-1.18	7.12E-27	1.84E-25
LARP4	-1.34	7.29E-27	1.88E-25
GNA12	1.91	7.44E-27	1.92E-25
ZNF772	-1.89	7.54E-27	1.94E-25
GPATCH3	1.16	7.64E-27	1.96E-25
RP11-437B10.1	-1.36	7.95E-27	2.04E-25
BGN	4.22	8.28E-27	2.13E-25
TBKBP1	2.50	8.28E-27	2.13E-25
YIF1A	1.57	8.32E-27	2.13E-25
SBNO1	-1.08	8.38E-27	2.15E-25
APOL1	3.96	8.45E-27	2.16E-25
TP53INP2	2.62	8.46E-27	2.16E-25
ZBTB21	-1.78	8.52E-27	2.18E-25
ERF	1.74	8.61E-27	2.20E-25
NAA25	-1.20	8.67E-27	2.21E-25
EDF1	1.27	8.91E-27	2.27E-25
RPL8	1.75	9.03E-27	2.30E-25
ZNF737	-2.09	9.63E-27	2.45E-25
TMEM55B	1.15	9.92E-27	2.52E-25
EGFR-AS1	-5.34	1.03E-26	2.63E-25
FAM208A	-1.11	1.08E-26	2.74E-25
PPP2R4	1.33	1.18E-26	2.99E-25
ID1	2.45	1.20E-26	3.05E-25
VEGFB	1.56	1.20E-26	3.05E-25
PRKRIP1	1.12	1.35E-26	3.42E-25
ADAMTSL2	4.92	1.35E-26	3.43E-25
GRINA	1.85	1.39E-26	3.51E-25

ITGA7	3.04	1.39E-26	3.51E-25
POLR2H	1.64	1.41E-26	3.57E-25
PLXDC2	-1.50	1.44E-26	3.63E-25
GMFG	3.78	1.50E-26	3.79E-25
SUGT1	-1.22	1.60E-26	4.03E-25
A2M	3.92	1.64E-26	4.14E-25
DYNC1H1	-1.46	1.65E-26	4.14E-25
CYB5R3	1.67	1.66E-26	4.18E-25
ZNF580	1.65	1.67E-26	4.19E-25
ZBTB34	-1.52	1.71E-26	4.30E-25
BAG6	1.13	1.74E-26	4.36E-25
CREB1	-1.26	1.80E-26	4.50E-25
HIST1H3I	-11.16	1.85E-26	4.62E-25
DNPH1	1.82	1.85E-26	4.62E-25
SCRN2	1.63	1.91E-26	4.78E-25
APLN	5.49	1.95E-26	4.88E-25
ZFAND4	-1.25	1.99E-26	4.95E-25
ZBTB33	-1.58	2.03E-26	5.05E-25
TOM1	1.31	2.03E-26	5.05E-25
RAPH1	-2.01	2.08E-26	5.17E-25
KRI1	1.50	2.33E-26	5.80E-25
TMEM160	2.15	2.47E-26	6.13E-25
FAM179B	-1.06	2.48E-26	6.15E-25
SEPSECS	-1.07	2.50E-26	6.21E-25
H1F0	1.63	2.51E-26	6.23E-25
MANF	1.41	2.61E-26	6.47E-25
MZT2A	1.84	2.73E-26	6.76E-25
NME3	1.81	2.82E-26	6.97E-25
PABPC1	1.45	2.84E-26	7.03E-25
EMD	1.27	3.02E-26	7.44E-25
TP53I3	2.25	3.03E-26	7.48E-25
ITPKC	1.26	3.09E-26	7.61E-25
HES5	-3.84	3.10E-26	7.65E-25
PPP1R12C	1.63	3.16E-26	7.77E-25
PTX3	6.82	3.25E-26	7.99E-25
MAGED1	1.74	3.28E-26	8.06E-25
SLC7A8	2.44	3.49E-26	8.56E-25
TIMP1	4.73	3.69E-26	9.06E-25
OCIAD2	1.69	3.86E-26	9.47E-25
RHOT2	2.05	3.97E-26	9.72E-25
SORCS1	-2.65	4.10E-26	1.00E-24
PGBD5	4.04	4.18E-26	1.02E-24
RPS28	1.74	4.25E-26	1.04E-24
KLHL15	-1.38	4.26E-26	1.04E-24
SEZ6L2	3.43	4.50E-26	1.10E-24

Gene	Value	P-value	Adj. P-value
ARRB2	2.42	4.57E-26	1.11E-24
GIMAP7	3.22	4.71E-26	1.15E-24
MRPL55	1.08	4.74E-26	1.15E-24
PSMD6-AS2	-3.76	4.99E-26	1.21E-24
OTULIN	-1.18	5.06E-26	1.23E-24
DEAF1	1.32	5.23E-26	1.27E-24
EFHC2	-2.17	5.26E-26	1.28E-24
KCNIP4	-2.26	5.29E-26	1.28E-24
RFX3	-1.85	5.41E-26	1.31E-24
ECE1	1.82	5.66E-26	1.37E-24
MRPS34	1.29	5.82E-26	1.41E-24
GPLD1	-2.22	5.84E-26	1.41E-24
TICAM1	2.34	5.94E-26	1.44E-24
RNH1	1.25	6.06E-26	1.46E-24
ZYG11B	-1.37	6.07E-26	1.46E-24
RAB5C	1.33	6.83E-26	1.65E-24
POLR2J	1.28	6.89E-26	1.66E-24
TEAD2	3.06	7.25E-26	1.74E-24
TBC1D13	1.21	7.41E-26	1.78E-24
FASTK	1.33	7.53E-26	1.81E-24
RASIP1	2.43	8.12E-26	1.95E-24
KHSRP	1.34	8.25E-26	1.98E-24
SLC18A2	-2.73	8.63E-26	2.07E-24
PROB1	2.85	8.66E-26	2.08E-24
HIST1H3J	-7.94	8.79E-26	2.10E-24
DCTN3	1.25	8.88E-26	2.12E-24
SEPN1	2.21	9.12E-26	2.18E-24
GJA5	5.92	9.22E-26	2.20E-24
TPM4	1.55	9.25E-26	2.21E-24
ZNF37A	-1.14	9.32E-26	2.22E-24
DMPK	2.46	9.36E-26	2.23E-24
MTMR14	0.84	9.39E-26	2.24E-24
FAM20C	2.60	9.59E-26	2.28E-24
ASB13	1.46	9.85E-26	2.34E-24
HAUS3	-0.94	9.85E-26	2.34E-24
RP11-121C2.2	-2.04	9.86E-26	2.34E-24
PGAM1	1.71	1.01E-25	2.39E-24
MINK1	1.43	1.02E-25	2.41E-24
ANKRD33B	-3.39	1.03E-25	2.44E-24
LMBRD2	-1.57	1.04E-25	2.47E-24
GOLGA3	-0.89	1.05E-25	2.48E-24
PLEKHA1	-1.56	1.09E-25	2.58E-24
SLC27A3	1.53	1.10E-25	2.60E-24
SUMF2	1.01	1.11E-25	2.61E-24
AGPAT2	1.73	1.14E-25	2.69E-24

THADA	-1.18	1.15E-25	2.71E-24
TMEM116	-1.78	1.19E-25	2.79E-24
ZNF444	2.12	1.28E-25	3.00E-24
ANKRD11	1.23	1.29E-25	3.05E-24
DDA1	1.35	1.31E-25	3.08E-24
FGD3	2.55	1.36E-25	3.19E-24
S100A11	1.80	1.38E-25	3.23E-24
IGFBP7	3.29	1.39E-25	3.27E-24
VMP1	1.05	1.42E-25	3.34E-24
HTRA2	1.45	1.43E-25	3.36E-24
PLEKHG2	3.46	1.46E-25	3.42E-24
9-Mar	1.72	1.54E-25	3.60E-24
TRDMT1	-1.36	1.55E-25	3.62E-24
BRI3	1.65	1.59E-25	3.71E-24
RP11-517B11.7	-1.81	1.64E-25	3.82E-24
LASP1	1.43	1.79E-25	4.17E-24
PHF1	2.11	1.85E-25	4.31E-24
AKIP1	1.84	1.87E-25	4.35E-24
G2E3	-1.44	2.05E-25	4.76E-24
NFIB	-1.29	2.10E-25	4.87E-24
CASP8AP2	-1.11	2.10E-25	4.89E-24
YIPF3	1.11	2.14E-25	4.96E-24
PDE6D	1.01	2.20E-25	5.09E-24
GOLGB1	-1.18	2.33E-25	5.39E-24
MATN4	-5.24	2.35E-25	5.44E-24
FXYD5	2.72	2.57E-25	5.94E-24
VPS13D	-1.50	2.63E-25	6.08E-24
HOXD9	3.44	2.73E-25	6.32E-24
ZBTB17	1.37	2.85E-25	6.59E-24
SUMO3	1.46	2.88E-25	6.64E-24
ATP13A3	-1.33	2.90E-25	6.70E-24
CFL1	1.58	2.95E-25	6.80E-24
AOC3	3.61	3.08E-25	7.10E-24
SLC12A4	1.73	3.21E-25	7.38E-24
PAK3	-2.46	3.21E-25	7.39E-24
PRPSAP1	1.03	3.23E-25	7.43E-24
IRF2BP1	1.16	3.58E-25	8.23E-24
TP53I13	1.77	3.73E-25	8.56E-24
ANGPT2	3.71	3.78E-25	8.67E-24
RHOJ	3.12	3.89E-25	8.90E-24
LEMD2	1.02	3.95E-25	9.05E-24
VAMP2	2.06	3.98E-25	9.12E-24
BRE	1.05	4.24E-25	9.69E-24
SOX6	-2.11	4.26E-25	9.74E-24
CLEC2A	-2.50	4.28E-25	9.77E-24

SPRYD3	1.21	4.41E-25	1.01E-23
DAB2IP	1.48	4.46E-25	1.02E-23
LRRC20	3.28	4.51E-25	1.03E-23
UBXN7	-1.11	4.51E-25	1.03E-23
ZNF384	0.99	4.56E-25	1.04E-23
TNFRSF21	3.40	4.57E-25	1.04E-23
PPP1R15A	1.35	4.66E-25	1.06E-23
RNU5A-1	-11.22	4.66E-25	1.06E-23
TMPRSS4	5.46	5.05E-25	1.15E-23
SLC9C1	-4.94	5.16E-25	1.17E-23
KCNK3	4.79	5.27E-25	1.19E-23
NOTCH4	3.27	5.29E-25	1.20E-23
ARAF	1.02	5.37E-25	1.21E-23
NEBL	-1.94	5.43E-25	1.23E-23
BFAR	1.12	5.47E-25	1.24E-23
PRELID1	1.84	5.53E-25	1.25E-23
SMAD5	-1.35	5.56E-25	1.25E-23
STXBP5	-1.59	5.57E-25	1.25E-23
NDUFB7	1.50	5.64E-25	1.27E-23
LAMTOR2	1.37	5.90E-25	1.33E-23
TTC37	-1.43	6.46E-25	1.45E-23
NID2	3.98	6.73E-25	1.51E-23
BTBD6	0.91	7.09E-25	1.59E-23
ARFGAP1	1.64	7.28E-25	1.63E-23
CYC1	1.29	7.36E-25	1.65E-23
FAM63B	-1.43	7.50E-25	1.68E-23
CDC42EP1	1.97	7.51E-25	1.68E-23
ECSIT	1.29	7.62E-25	1.70E-23
MTR	-1.31	7.92E-25	1.77E-23
IL32	4.26	7.97E-25	1.78E-23
MGA	-1.74	8.20E-25	1.83E-23
UBAP1	0.97	8.46E-25	1.89E-23
MSRB2	1.60	8.63E-25	1.92E-23
MRGBP	1.45	8.88E-25	1.98E-23
ATP1B2	4.39	8.89E-25	1.98E-23
OBSL1	2.22	9.09E-25	2.02E-23
COLGALT1	1.38	9.25E-25	2.06E-23
TUSC1	1.69	9.35E-25	2.08E-23
FAM129B	1.40	9.36E-25	2.08E-23
SHB	1.80	9.46E-25	2.10E-23
PPP1R11	1.00	9.53E-25	2.11E-23
TRMT1	1.61	1.00E-24	2.23E-23
LINC01515	-3.54	1.04E-24	2.31E-23
GADD45G	3.46	1.05E-24	2.32E-23
FANCB	-2.80	1.05E-24	2.33E-23

RNF40	0.91	1.12E-24	2.48E-23
HEATR5B	-1.12	1.14E-24	2.51E-23
RNF10	0.90	1.20E-24	2.64E-23
KY	-3.23	1.20E-24	2.65E-23
POGK	-1.01	1.21E-24	2.66E-23
RP11-159G9.5	-1.47	1.23E-24	2.70E-23
RNU4-1	-11.17	1.24E-24	2.74E-23
TENM1	-3.14	1.25E-24	2.75E-23
ZNF845	-1.48	1.28E-24	2.81E-23
CCDC134	-1.67	1.29E-24	2.83E-23
PLAC4	-6.18	1.29E-24	2.83E-23
NECAP2	0.94	1.36E-24	2.98E-23
PRSS23	3.52	1.36E-24	2.99E-23
PLD4	-3.09	1.43E-24	3.13E-23
DCT	-2.89	1.50E-24	3.28E-23
ABCA5	-1.98	1.51E-24	3.31E-23
NUDT22	1.67	1.52E-24	3.32E-23
ORAI2	2.80	1.58E-24	3.45E-23
TPD52L2	1.18	1.61E-24	3.50E-23
FBXO10	2.21	1.65E-24	3.60E-23
TANC1	-1.60	1.66E-24	3.62E-23
ALKBH7	1.96	1.73E-24	3.78E-23
DST	-1.67	1.87E-24	4.07E-23
LINC00624	-4.93	1.93E-24	4.19E-23
KIAA0825	-1.87	1.93E-24	4.19E-23
CCDC171	-1.74	2.04E-24	4.43E-23
MAD2L2	2.13	2.13E-24	4.63E-23
UBR5	-1.01	2.16E-24	4.69E-23
CX3CL1	2.88	2.19E-24	4.75E-23
RNF139-AS1	-3.23	2.22E-24	4.81E-23
RNF208	2.57	2.22E-24	4.82E-23
ENDOG	2.48	2.29E-24	4.96E-23
DGAT1	1.47	2.32E-24	5.02E-23
JUND	2.03	2.35E-24	5.07E-23
ZNF655	-1.23	2.35E-24	5.07E-23
CARM1	1.27	2.37E-24	5.10E-23
HEY1	2.91	2.39E-24	5.16E-23
MED25	1.70	2.42E-24	5.21E-23
ZC3HAV1	-0.99	2.45E-24	5.27E-23
RNF180	-2.02	2.47E-24	5.31E-23
PRSS27	3.68	2.50E-24	5.37E-23
IFI16	1.56	2.65E-24	5.69E-23
CTD-2031P19.4	3.37	2.72E-24	5.85E-23
ZNF518A	-1.66	2.79E-24	5.98E-23
DTX1	1.69	2.84E-24	6.09E-23

Gene	Value	p-value	adj. p-value
SMARCD1	0.81	2.84E-24	6.09E-23
HIRIP3	1.73	3.04E-24	6.51E-23
MTMR4	-0.87	3.17E-24	6.78E-23
L3MBTL4	-2.13	3.19E-24	6.81E-23
MMRN2	2.11	3.19E-24	6.81E-23
SPAG7	1.37	3.20E-24	6.84E-23
WDR36	-1.38	3.29E-24	7.03E-23
NGFRAP1	2.15	3.30E-24	7.03E-23
PDZK1IP1	1.80	3.34E-24	7.12E-23
HUWE1	-1.20	3.50E-24	7.46E-23
SMC5	-1.07	3.53E-24	7.52E-23
BLVRA	1.49	3.58E-24	7.62E-23
ZNF493	-2.09	3.62E-24	7.69E-23
C1QTNF6	3.89	3.62E-24	7.69E-23
ZNF12	-1.14	3.63E-24	7.70E-23
PTGDS	5.39	3.67E-24	7.78E-23
PABPC4	1.14	3.71E-24	7.86E-23
DCUN1D1	-1.46	3.71E-24	7.86E-23
GUCY1B3	3.03	3.72E-24	7.88E-23
CSTB	2.88	3.73E-24	7.90E-23
NABP2	1.55	3.87E-24	8.18E-23
TOPORS-AS1	-3.70	3.90E-24	8.24E-23
PNP	2.12	3.98E-24	8.40E-23
FRK	-1.52	4.04E-24	8.53E-23
TET1	-2.35	4.20E-24	8.86E-23
TPR	-1.09	4.25E-24	8.95E-23
PITPNM1	2.52	4.45E-24	9.37E-23
RPS9	1.66	4.51E-24	9.49E-23
MORF4L1	1.17	4.59E-24	9.64E-23
FCGR3A	5.09	4.59E-24	9.65E-23
HIST1H2BB	-10.67	4.60E-24	9.67E-23
CNOT6L	-1.33	4.71E-24	9.89E-23
PFKP	1.85	4.76E-24	9.99E-23
BRIP1	-1.59	4.82E-24	1.01E-22
DDX54	1.07	4.99E-24	1.04E-22
COMMD7	1.20	5.10E-24	1.07E-22
C1orf35	1.41	5.20E-24	1.09E-22
MIR3687	-7.19	5.32E-24	1.11E-22
ODF3B	2.22	5.39E-24	1.13E-22
UBE2Z	0.82	5.48E-24	1.14E-22
RILPL2	2.15	5.75E-24	1.20E-22
G34162	4.62	5.83E-24	1.21E-22
GSS	1.14	5.85E-24	1.22E-22
PLD2	1.46	5.89E-24	1.23E-22
FAM135A	-1.75	5.94E-24	1.24E-22

HIST1H2BM	-10.48	5.96E-24	1.24E-22
FKRP	2.03	6.16E-24	1.28E-22
SLC16A3	4.29	6.26E-24	1.30E-22
ZNF253	-1.45	6.29E-24	1.31E-22
NUP205	-0.91	6.72E-24	1.39E-22
SMARCD3	2.47	6.74E-24	1.40E-22
LAMTOR5-AS1	-3.07	6.92E-24	1.43E-22
ABHD17A	1.48	7.37E-24	1.53E-22
SGCG	-3.29	7.47E-24	1.54E-22
HNRNPUL1	0.92	7.68E-24	1.59E-22
TNFRSF1B	3.18	7.87E-24	1.63E-22
ABHD12B	-2.08	7.90E-24	1.63E-22
CTSL	3.35	8.09E-24	1.67E-22
ELOF1	1.65	8.17E-24	1.69E-22
PBRM1	-1.15	8.21E-24	1.69E-22
SSBP4	2.55	8.56E-24	1.76E-22
B3GNT9	1.69	8.60E-24	1.77E-22
SWI5	1.52	8.68E-24	1.79E-22
POR	1.44	8.81E-24	1.81E-22
LMF2	1.78	8.83E-24	1.81E-22
G38513	-3.71	9.34E-24	1.92E-22
CTU1	1.77	9.35E-24	1.92E-22
RN7SL471P	-8.58	9.62E-24	1.97E-22
PKIG	2.38	9.89E-24	2.03E-22
G38514	-2.31	1.01E-23	2.06E-22
SNORA37	-8.09	1.01E-23	2.07E-22
HMOX1	2.37	1.02E-23	2.08E-22
TCF7L1	3.37	1.08E-23	2.20E-22
SULF1	3.96	1.08E-23	2.21E-22
AC008074.4	-3.10	1.10E-23	2.24E-22
RP11-547D13.1	-2.57	1.10E-23	2.25E-22
CNKSR2	-4.00	1.11E-23	2.25E-22
AGTRAP	2.06	1.11E-23	2.26E-22
B3GALT6	1.33	1.13E-23	2.31E-22
CDPF1	1.67	1.14E-23	2.32E-22
NRXN2	5.37	1.17E-23	2.37E-22
ZCCHC3	1.03	1.17E-23	2.38E-22
OS9	1.21	1.17E-23	2.38E-22
TBC1D10B	1.30	1.22E-23	2.48E-22
PTGES2	1.41	1.27E-23	2.57E-22
ZNF540	-2.71	1.28E-23	2.59E-22
STX10	1.46	1.28E-23	2.60E-22
TEAD3	1.28	1.33E-23	2.70E-22
OSBPL8	-1.75	1.34E-23	2.72E-22
ERI3	0.99	1.37E-23	2.76E-22

C18orf25	-1.02	1.37E-23	2.76E-22
DYNC2H1	-1.58	1.40E-23	2.82E-22
MAPKAPK2	1.13	1.41E-23	2.85E-22
HIST1H2AL	-10.40	1.42E-23	2.86E-22
PCBP1	1.61	1.45E-23	2.92E-22
IGFBP2	4.03	1.51E-23	3.05E-22
RPL18A	1.64	1.55E-23	3.11E-22
ITCH	-1.20	1.56E-23	3.13E-22
RPIA	1.15	1.59E-23	3.20E-22
TRIP11	-1.32	1.60E-23	3.22E-22
NIPAL1	-2.12	1.60E-23	3.22E-22
ZNF654	-1.34	1.61E-23	3.23E-22
ANGEL2	-0.91	1.63E-23	3.26E-22
TUSC2	1.28	1.63E-23	3.26E-22
SENP6	-0.97	1.67E-23	3.34E-22
RAB30-AS1	-2.02	1.70E-23	3.40E-22
SLC3A2	1.18	1.70E-23	3.40E-22
SEC61A1	1.04	1.70E-23	3.41E-22
FAM20A	3.51	1.77E-23	3.53E-22
CHST3	1.44	1.88E-23	3.75E-22
AC006262.11	-5.60	2.01E-23	4.02E-22
NARF	1.08	2.02E-23	4.02E-22
RHOB	2.24	2.03E-23	4.04E-22
OGFRL1	-1.63	2.03E-23	4.05E-22
PDE4D	-1.32	2.05E-23	4.08E-22
C6orf48	1.52	2.07E-23	4.11E-22
EDN2	4.97	2.21E-23	4.38E-22
WDR13	0.99	2.27E-23	4.50E-22
ECT2L	-3.66	2.35E-23	4.67E-22
SPRR1A	5.80	2.36E-23	4.67E-22
KIF21A	-2.45	2.36E-23	4.68E-22
MED15	1.83	2.42E-23	4.80E-22
ZNF814	-1.50	2.71E-23	5.37E-22
RPS14	1.60	2.74E-23	5.42E-22
PNPLA6	1.37	2.77E-23	5.48E-22
KIAA1551	-1.01	2.77E-23	5.48E-22
TLDC1	1.49	2.80E-23	5.54E-22
TMEM176B	4.66	2.84E-23	5.61E-22
PARL	1.26	2.89E-23	5.69E-22
ZNF784	1.38	2.94E-23	5.79E-22
EEA1	-1.35	3.10E-23	6.10E-22
ATP6AP1	1.07	3.12E-23	6.15E-22
KRT5	1.84	3.29E-23	6.47E-22
VPS18	1.14	3.35E-23	6.58E-22
POU2F1	-1.22	3.38E-23	6.64E-22

TGFB1I1	2.81	3.40E-23	6.68E-22
SGMS2	-1.12	3.42E-23	6.71E-22
HNRNPU-AS1	-3.61	3.45E-23	6.76E-22
USP54	-1.41	3.72E-23	7.29E-22
MKL1	1.23	3.72E-23	7.30E-22
CMYA5	-2.77	3.75E-23	7.34E-22
FHOD1	2.09	3.75E-23	7.35E-22
AP1M1	0.99	3.84E-23	7.52E-22
ADAM23	4.85	3.86E-23	7.55E-22
VPS50	-1.21	3.95E-23	7.71E-22
YWHAH	1.42	4.08E-23	7.96E-22
ZNF420	-1.42	4.10E-23	7.99E-22
CTC-343N3.1	-5.28	4.15E-23	8.09E-22
CD93	3.65	4.19E-23	8.17E-22
FAM153B	-5.05	4.24E-23	8.26E-22
N4BP2L2	-1.36	4.36E-23	8.48E-22
PSKH1	1.31	4.37E-23	8.50E-22
PPM1G	1.06	4.38E-23	8.52E-22
SLC39A1	1.47	4.41E-23	8.57E-22
CDK2AP2	1.95	4.42E-23	8.58E-22
ZNF260	-1.41	4.52E-23	8.76E-22
CSNK2B	-1.40	4.60E-23	8.92E-22
SPP1	8.63	4.72E-23	9.15E-22
XLOC_013866	-3.84	4.82E-23	9.33E-22
FAM43A	2.32	4.85E-23	9.38E-22
ZBTB44	-1.19	4.92E-23	9.51E-22
UBE2R2	0.98	4.93E-23	9.54E-22
SULF2	3.21	5.24E-23	1.01E-21
CNOT3	1.41	5.32E-23	1.03E-21
NGF	4.91	5.35E-23	1.03E-21
NES	3.19	5.51E-23	1.06E-21
CYB5D2	1.46	5.53E-23	1.06E-21
HIST1H3C	-9.99	5.73E-23	1.10E-21
ANKIB1	-0.84	5.98E-23	1.15E-21
SNORA23	-10.90	6.02E-23	1.16E-21
ARPC1B	2.35	6.04E-23	1.16E-21
PTGIR	4.45	6.05E-23	1.16E-21
PPP1R35	1.68	6.06E-23	1.16E-21
HIST3H2BB	-2.55	6.11E-23	1.17E-21
CDCA7L	-1.34	6.52E-23	1.25E-21
RNU5B-1	-12.33	6.54E-23	1.25E-21
BCL11B	-1.67	6.70E-23	1.28E-21
CCDC34	1.78	6.73E-23	1.29E-21
SLC47A1	-2.84	6.86E-23	1.31E-21
ACADS	1.97	6.91E-23	1.32E-21

SLF2	-1.18	6.98E-23	1.33E-21
HIST1H2AJ	-10.32	7.31E-23	1.40E-21
RHBDD2	1.46	7.46E-23	1.42E-21
ILVBL	1.52	7.56E-23	1.44E-21
MAN1B1	1.10	7.66E-23	1.46E-21
CXorf36	2.96	7.68E-23	1.46E-21
PITPNC1	2.88	8.45E-23	1.61E-21
ZNF775	2.22	8.47E-23	1.61E-21
ZBTB41	-1.50	8.58E-23	1.63E-21
ZRSR2	1.45	8.60E-23	1.63E-21
RNF126	1.29	8.70E-23	1.65E-21
ARMC7	1.38	8.88E-23	1.69E-21
AHCTF1	-1.03	9.00E-23	1.71E-21
MAP3K1	-1.68	9.17E-23	1.74E-21
COASY	1.30	9.85E-23	1.87E-21
SMOC2	3.22	9.88E-23	1.87E-21
HIST1H2BO	-10.25	9.94E-23	1.88E-21
TTF1	1.03	1.01E-22	1.90E-21
XCR1	-2.58	1.02E-22	1.92E-21
CDK5R1	2.25	1.02E-22	1.93E-21
MEN1	1.30	1.04E-22	1.96E-21
EMC9	1.33	1.05E-22	1.99E-21
G6PC3	2.12	1.10E-22	2.07E-21
TSPAN9	1.41	1.10E-22	2.07E-21
CHIC1	-1.60	1.11E-22	2.08E-21
TINF2	0.99	1.11E-22	2.10E-21
BCL2L11	1.69	1.12E-22	2.11E-21
RASSF1	1.51	1.13E-22	2.12E-21
HIST1H4A	-10.32	1.14E-22	2.15E-21
SIKE1	-1.24	1.19E-22	2.24E-21
FAM96B	1.34	1.21E-22	2.27E-21
REST	-1.31	1.25E-22	2.35E-21
RAB31	2.57	1.29E-22	2.42E-21
COL15A1	3.92	1.29E-22	2.43E-21
TINAGL1	2.95	1.32E-22	2.48E-21
ABCB11	-3.53	1.36E-22	2.55E-21
SHROOM1	3.62	1.37E-22	2.56E-21
FGD6	-1.27	1.43E-22	2.67E-21
RP11-690D19.3	-1.72	1.45E-22	2.70E-21
G3383	-2.05	1.45E-22	2.71E-21
MRPL10	1.13	1.45E-22	2.71E-21
MIB1	-1.14	1.48E-22	2.76E-21
ESRRA	1.58	1.54E-22	2.86E-21
PDE1B	3.18	1.54E-22	2.87E-21
TMEM176A	4.90	1.55E-22	2.88E-21

IFT43	1.01	1.59E-22	2.95E-21
C19orf70	1.21	1.60E-22	2.97E-21
TMPRSS6	-5.17	1.65E-22	3.07E-21
CTF1	3.60	1.66E-22	3.08E-21
RHOC	1.47	1.66E-22	3.09E-21
LRFN3	1.78	1.69E-22	3.13E-21
SCRG1	-3.83	1.79E-22	3.33E-21
UBE2S	2.23	1.82E-22	3.37E-21
APEX1	1.57	1.87E-22	3.46E-21
C3orf58	-1.59	1.87E-22	3.47E-21
APOA1BP	1.26	1.96E-22	3.63E-21
KEAP1	1.17	2.02E-22	3.74E-21
TSPAN15	3.27	2.04E-22	3.76E-21
HMOX2	1.22	2.06E-22	3.80E-21
ACAP2	-1.38	2.10E-22	3.88E-21
PFN2	1.94	2.12E-22	3.91E-21
ERCC6	-1.22	2.13E-22	3.92E-21
MCM8	-1.06	2.14E-22	3.94E-21
ADM	3.29	2.23E-22	4.10E-21
POF1B	-2.42	2.26E-22	4.15E-21
ZBTB7A	1.67	2.26E-22	4.16E-21
S100A2	3.10	2.29E-22	4.21E-21
PSMA7	1.21	2.34E-22	4.29E-21
NUDT14	2.18	2.37E-22	4.35E-21
RUVBL2	1.18	2.39E-22	4.39E-21
SQSTM1	1.33	2.41E-22	4.41E-21
FAM110D	3.46	2.45E-22	4.48E-21
STOML1	1.21	2.46E-22	4.51E-21
HBA1	-5.41	2.48E-22	4.55E-21
CELF1	-0.63	2.55E-22	4.66E-21
NSUN3	-1.16	2.55E-22	4.66E-21
RAB20	3.43	2.59E-22	4.73E-21
PPP6R3	-0.86	2.63E-22	4.80E-21
HIPK1	-1.29	2.63E-22	4.80E-21
KLK13	2.76	2.64E-22	4.82E-21
TMUB2	1.39	2.67E-22	4.87E-21
PPP1R14B	1.32	2.71E-22	4.94E-21
GSK3B	-1.04	2.72E-22	4.95E-21
FRRS1	-1.36	2.76E-22	5.02E-21
SLC38A5	2.08	2.79E-22	5.08E-21
ZNF571	-1.58	2.79E-22	5.08E-21
TRIM13	-1.16	2.83E-22	5.14E-21
PMEPA1	2.48	2.84E-22	5.16E-21
ZNF638-IT1	-3.75	2.85E-22	5.16E-21
PPP1CA	1.20	2.88E-22	5.22E-21

MRPS5	0.99	2.91E-22	5.27E-21
IRF2BPL	1.11	2.91E-22	5.28E-21
DCAF16	-1.13	3.11E-22	5.63E-21
UNC119	1.08	3.24E-22	5.86E-21
COG5	-0.89	3.31E-22	5.99E-21
MMS22L	-1.38	3.43E-22	6.20E-21
ZNF682	-1.61	3.49E-22	6.31E-21
RAC1	1.03	3.54E-22	6.39E-21
NDRG4	3.00	3.55E-22	6.41E-21
SDF2	1.09	3.58E-22	6.46E-21
NDUFV1	0.99	3.62E-22	6.53E-21
DDX6	-1.11	3.71E-22	6.67E-21
CUL5	-1.07	3.75E-22	6.75E-21
B3GAT3	1.32	3.83E-22	6.89E-21
SMG9	1.71	3.98E-22	7.17E-21
RP11-1008C21.1	-5.58	4.02E-22	7.22E-21
EEF2K	-2.14	4.08E-22	7.33E-21
MRE11A	-0.96	4.09E-22	7.34E-21
TTYH3	2.75	4.15E-22	7.44E-21
TYMP	3.12	4.21E-22	7.55E-21
KIAA1958	-1.70	4.24E-22	7.61E-21
GORASP2	1.01	4.39E-22	7.87E-21
ZNF507	-1.05	4.41E-22	7.90E-21
NKAIN1	2.55	4.42E-22	7.91E-21
ZNF638	-1.02	4.44E-22	7.93E-21
LINGO1	3.62	4.44E-22	7.93E-21
LIMD1	-0.89	4.58E-22	8.19E-21
RP11-295P9.3	-2.12	4.66E-22	8.31E-21
PDLIM1	1.52	4.69E-22	8.37E-21
FAM101A	5.30	4.70E-22	8.38E-21
FARSA	1.16	4.72E-22	8.42E-21
LBH	2.65	4.77E-22	8.50E-21
SNX17	1.09	4.78E-22	8.51E-21
B3GNT8	1.93	5.17E-22	9.20E-21
ZNF76	1.32	5.37E-22	9.55E-21
DECR2	1.79	5.47E-22	9.72E-21
HIST1H3A	-9.98	5.75E-22	1.02E-20
SCARA5	-4.42	5.78E-22	1.03E-20
PHF23	1.28	6.02E-22	1.07E-20
RALGAPB	-1.01	6.13E-22	1.09E-20
RNU2-59P	-11.08	6.19E-22	1.10E-20
TIMM10	1.72	6.20E-22	1.10E-20
PCGF5	-1.75	6.22E-22	1.10E-20
PLEKHH3	1.61	6.25E-22	1.11E-20
FAM234A	1.40	6.28E-22	1.11E-20

EFCC1	2.00	6.29E-22	1.11E-20
PCNX	-0.92	6.30E-22	1.11E-20
NSFL1C	1.04	6.39E-22	1.13E-20
YIF1B	1.63	6.54E-22	1.15E-20
MIR99AHG	-2.04	6.58E-22	1.16E-20
LGR4	-1.36	6.60E-22	1.16E-20
RANBP3	0.85	6.65E-22	1.17E-20
NAGK	1.57	6.69E-22	1.18E-20
PARP3	1.88	6.75E-22	1.19E-20
PBX2	0.77	6.83E-22	1.20E-20
SNORA71A	-8.73	7.13E-22	1.25E-20
VMO1	5.14	7.14E-22	1.25E-20
RBAK	-0.98	7.25E-22	1.27E-20
RNF5	1.45	7.29E-22	1.28E-20
TPP2	-1.10	7.44E-22	1.30E-20
KIAA0895	-2.25	7.47E-22	1.31E-20
SIX5	2.49	7.51E-22	1.32E-20
HUNK	-1.74	7.60E-22	1.33E-20
ADAMTS4	4.92	7.62E-22	1.33E-20
GRB10	2.47	7.65E-22	1.34E-20
COMP	6.47	7.75E-22	1.36E-20
TMEM161A	1.51	7.91E-22	1.38E-20
CPLX1	4.84	7.92E-22	1.38E-20
LRPAP1	1.12	8.15E-22	1.42E-20
SLC39A13	1.59	8.33E-22	1.45E-20
DSC2	2.84	8.41E-22	1.47E-20
ZNF782	-1.53	8.49E-22	1.48E-20
CTSZ	2.71	8.51E-22	1.48E-20
RC3H2	-0.93	8.62E-22	1.50E-20
PPP1R18	1.78	8.69E-22	1.51E-20
DVL3	1.34	9.13E-22	1.59E-20
GUSB	1.72	9.18E-22	1.59E-20
KANK3	3.39	9.51E-22	1.65E-20
THAP4	0.92	9.75E-22	1.69E-20
BMP1	2.76	9.80E-22	1.70E-20
RP11-557H15.3	3.65	9.94E-22	1.72E-20
ZNF708	-1.76	9.96E-22	1.73E-20
ERG	2.98	1.01E-21	1.76E-20
PLEKHM2	1.23	1.03E-21	1.78E-20
KCTD10	1.10	1.11E-21	1.91E-20
SAMD8	-0.95	1.11E-21	1.92E-20
ANKRD36BP2	-3.39	1.11E-21	1.92E-20
FBXO2	2.13	1.14E-21	1.97E-20
ZNF681	-2.14	1.15E-21	1.99E-20
APLP2	1.15	1.16E-21	2.00E-20

CAPN1	1.22	1.16E-21	2.01E-20
RP11-61K9.3	1.54	1.19E-21	2.06E-20
LTB4R	1.73	1.20E-21	2.06E-20
FBRS	1.66	1.21E-21	2.08E-20
G21034	-6.53	1.21E-21	2.09E-20
MYSM1	-1.26	1.25E-21	2.15E-20
DLST	0.99	1.26E-21	2.16E-20
EDEM2	1.06	1.28E-21	2.19E-20
VPS37B	1.24	1.28E-21	2.19E-20
AHNAK2	-2.02	1.29E-21	2.22E-20
AC072062.1	-2.86	1.31E-21	2.25E-20
FLYWCH2	1.61	1.32E-21	2.26E-20
RP3-453C12.14	-4.76	1.33E-21	2.28E-20
SYNGR2	1.22	1.35E-21	2.31E-20
PCF11	-1.18	1.40E-21	2.40E-20
PGLS	1.04	1.45E-21	2.48E-20
ARL8A	1.43	1.46E-21	2.50E-20
TAF3	1.10	1.47E-21	2.51E-20
ZNF841	-1.51	1.49E-21	2.55E-20
SORCS2	3.38	1.50E-21	2.56E-20
LAGE3	1.56	1.51E-21	2.58E-20
GRB2	0.87	1.53E-21	2.60E-20
COPE	1.22	1.59E-21	2.71E-20
RASD1	3.39	1.61E-21	2.74E-20
ATP2B1	-1.70	1.62E-21	2.75E-20
DAP	1.58	1.63E-21	2.77E-20
RP4-635A23.6	-2.68	1.63E-21	2.77E-20
HIST1H2AB	-9.97	1.65E-21	2.80E-20
AC007038.7	-4.06	1.70E-21	2.88E-20
FAH	1.67	1.72E-21	2.92E-20
HIST1H4L	-10.38	1.77E-21	3.00E-20
ITPK1	1.26	1.78E-21	3.03E-20
ZC3H3	1.68	1.79E-21	3.03E-20
ZNF483	-2.70	1.79E-21	3.04E-20
TNFSF9	3.49	1.82E-21	3.08E-20
RNF215	1.96	1.82E-21	3.08E-20
HMGN2	1.64	1.86E-21	3.15E-20
RUSC1	1.45	1.91E-21	3.22E-20
CXCL16	1.71	1.96E-21	3.31E-20
ZNF236	-1.04	2.03E-21	3.43E-20
PNRC2	2.32	2.09E-21	3.53E-20
RANBP2	-1.45	2.09E-21	3.53E-20
TNFSF12	2.94	2.10E-21	3.55E-20
PITX1	4.76	2.13E-21	3.58E-20
SLC4A2	1.33	2.15E-21	3.62E-20

TSFM	1.10	2.15E-21	3.62E-20
NUP58	-1.04	2.15E-21	3.62E-20
EDNRA	2.84	2.16E-21	3.64E-20
TAOK1	-1.28	2.25E-21	3.78E-20
TMEM67	-1.39	2.26E-21	3.79E-20
TTC7B	1.79	2.31E-21	3.88E-20
GSDMD	2.65	2.35E-21	3.93E-20
SELM	3.06	2.36E-21	3.96E-20
SGSH	1.47	2.37E-21	3.97E-20
NCBP1	-1.11	2.51E-21	4.20E-20
UNC93B1	1.53	2.52E-21	4.22E-20
NAGLU	2.02	2.53E-21	4.24E-20
MRPL9	1.21	2.56E-21	4.28E-20
PKN1	3.21	2.61E-21	4.36E-20
COX4I1	1.23	2.61E-21	4.36E-20
MFSD8	-1.26	2.62E-21	4.38E-20
CAB39L	-1.49	2.66E-21	4.43E-20
RNMTL1	1.20	2.69E-21	4.48E-20
LRRC45	1.47	3.09E-21	5.15E-20
MPP7	-1.96	3.17E-21	5.28E-20
MYH9	1.10	3.19E-21	5.30E-20
COMMD5	1.15	3.20E-21	5.33E-20
NEO1	-1.16	3.21E-21	5.33E-20
TELO2	1.88	3.21E-21	5.33E-20
CDR2L	2.07	3.23E-21	5.37E-20
SP3	-1.06	3.25E-21	5.40E-20
SRRM3	2.13	3.26E-21	5.41E-20
HECA	-1.24	3.26E-21	5.41E-20
EPHX1	1.93	3.29E-21	5.46E-20
CXCR4	4.36	3.30E-21	5.46E-20
ARAP2	-1.72	3.33E-21	5.52E-20
RPS6KA3	-1.11	3.34E-21	5.53E-20
FHL2	1.48	3.37E-21	5.58E-20
FBXW2	-1.07	3.39E-21	5.61E-20
HEBP1	1.33	3.45E-21	5.71E-20
GNG12-AS1	-2.22	3.51E-21	5.81E-20
ABCA1	-1.64	3.67E-21	6.05E-20
C5orf46	-2.84	3.68E-21	6.07E-20
PLAUR	3.51	3.83E-21	6.32E-20
EGFL6	6.79	3.97E-21	6.54E-20
BCKDK	1.42	3.98E-21	6.57E-20
CYTH2	1.23	4.04E-21	6.66E-20
ZNF777	1.34	4.15E-21	6.83E-20
G18244	3.69	4.19E-21	6.90E-20
GAPVD1	-1.28	4.44E-21	7.30E-20

CHST14	2.20	4.46E-21	7.33E-20
EPB41L1	1.77	4.53E-21	7.44E-20
CIB2	2.40	4.61E-21	7.58E-20
CTSC	1.95	4.69E-21	7.70E-20
C4A	4.87	4.69E-21	7.70E-20
HES4	2.38	4.86E-21	7.96E-20
OXA1L	0.80	5.08E-21	8.32E-20
MBD6	2.79	5.42E-21	8.88E-20
SNORA71D	-10.66	5.48E-21	8.97E-20
TRIB2	2.35	5.56E-21	9.10E-20
FAM65C	3.00	5.74E-21	9.39E-20
ARL3	1.26	5.90E-21	9.64E-20
ZNF92	-1.66	6.06E-21	9.90E-20
MARVELD1	1.93	6.23E-21	1.02E-19
KRIT1	-0.75	6.36E-21	1.04E-19
NCBP2-AS2	1.40	6.45E-21	1.05E-19
SPATA18	-1.08	6.47E-21	1.05E-19
S1PR1	3.06	6.48E-21	1.06E-19
TRAPPC8	-1.29	6.53E-21	1.06E-19
IDH2	1.85	6.60E-21	1.07E-19
HECTD1	-1.29	6.66E-21	1.08E-19
BHLHE40	2.01	6.69E-21	1.09E-19
PNKD	1.30	7.00E-21	1.14E-19
ZFP36L1	1.76	7.14E-21	1.16E-19
RNF26	1.66	7.24E-21	1.18E-19
NFE2L1	0.81	7.27E-21	1.18E-19
SP2	2.17	7.48E-21	1.21E-19
ZFP14	-1.45	7.53E-21	1.22E-19
NDRG1	1.95	7.64E-21	1.24E-19
TBC1D22A	0.95	7.65E-21	1.24E-19
KLHDC10	-0.85	7.67E-21	1.24E-19
PHF3	-1.15	7.78E-21	1.26E-19
PRRX2	1.75	7.98E-21	1.29E-19
SUCO	-1.08	8.03E-21	1.30E-19
DPP9	1.14	8.17E-21	1.32E-19
NID1	3.43	8.31E-21	1.34E-19
PTDSS2	1.26	8.43E-21	1.36E-19
WDR60	1.54	8.66E-21	1.40E-19
FAM109A	1.58	8.91E-21	1.44E-19
YIPF2	1.46	8.92E-21	1.44E-19
CTD-2647L4.4	-2.06	9.28E-21	1.49E-19
TNKS	-1.04	9.48E-21	1.53E-19
WDR45	1.09	9.52E-21	1.53E-19
CHN1	3.60	9.55E-21	1.54E-19
TMEM54	1.77	9.62E-21	1.55E-19

Gene	Value	p-value	adj p-value
RHOG	1.43	9.74E-21	1.56E-19
VPS41	-0.98	1.00E-20	1.61E-19
RP11-362K14.5	-4.14	1.02E-20	1.64E-19
PHF6	-1.24	1.03E-20	1.65E-19
SEC24B	-0.93	1.04E-20	1.66E-19
LMCD1	3.04	1.04E-20	1.66E-19
PCED1B	2.55	1.05E-20	1.68E-19
UROD	1.27	1.05E-20	1.68E-19
HSPB1	2.10	1.05E-20	1.69E-19
TMEM8A	2.56	1.07E-20	1.71E-19
EXOC6B	-1.59	1.07E-20	1.71E-19
LCE5A	-3.37	1.08E-20	1.72E-19
NOVA2	3.91	1.09E-20	1.74E-19
HBA2	-4.97	1.12E-20	1.79E-19
NRBP1	0.84	1.16E-20	1.84E-19
DOCK7	-0.90	1.16E-20	1.85E-19
AK7	-2.19	1.18E-20	1.87E-19
TPM2	3.78	1.18E-20	1.88E-19
RP11-701H24.7	-4.06	1.18E-20	1.88E-19
SCARF1	2.64	1.19E-20	1.89E-19
MCHR1	3.92	1.19E-20	1.90E-19
SNTB1	-1.54	1.19E-20	1.90E-19
EDRF1	-1.33	1.21E-20	1.92E-19
TMEM161B	-1.28	1.22E-20	1.94E-19
SLC25A39	1.33	1.23E-20	1.94E-19
TIMM17B	1.46	1.24E-20	1.96E-19
ZNF721	-1.44	1.25E-20	1.98E-19
CDK13	-0.64	1.25E-20	1.98E-19
SGK1	2.08	1.25E-20	1.99E-19
BYSL	1.39	1.26E-20	1.99E-19
ATF4	1.15	1.26E-20	2.00E-19
DHX15	-0.76	1.28E-20	2.03E-19
DNAJB14	-1.33	1.30E-20	2.05E-19
ZNF362	1.28	1.32E-20	2.08E-19
RNA5-8SP6	7.45	1.34E-20	2.11E-19
SHMT2	1.09	1.35E-20	2.13E-19
SLC25A28	1.67	1.36E-20	2.14E-19
THY1	5.45	1.36E-20	2.15E-19
CXCL2	5.44	1.41E-20	2.23E-19
COMT	1.24	1.52E-20	2.39E-19
GJC1	3.35	1.53E-20	2.41E-19
TMEM88B	5.52	1.53E-20	2.41E-19
COL9A3	1.73	1.53E-20	2.41E-19
ANAPC1	-1.00	1.55E-20	2.43E-19
SNORA5C	-4.04	1.55E-20	2.44E-19

LSM10	1.82	1.56E-20	2.45E-19
ALDH16A1	1.48	1.57E-20	2.46E-19
HGS	0.99	1.59E-20	2.49E-19
ASPM	-2.10	1.59E-20	2.49E-19
C19orf25	1.44	1.59E-20	2.49E-19
KCNJ8	4.51	1.61E-20	2.52E-19
IL20RB-AS1	-3.31	1.61E-20	2.52E-19
RP11-101E13.5	-1.69	1.61E-20	2.52E-19
SDCBP2-AS1	-2.41	1.64E-20	2.56E-19
ATG101	1.32	1.65E-20	2.58E-19
METRNL	1.40	1.68E-20	2.62E-19
ASPA	-2.19	1.69E-20	2.64E-19
ZNF397	-1.08	1.74E-20	2.71E-19
SPAG1	-2.02	1.77E-20	2.76E-19
GALE	1.52	1.80E-20	2.81E-19
NDUFV2	-3.26	1.80E-20	2.81E-19
BMPR1A	-1.05	1.82E-20	2.84E-19
GLIS2	3.62	1.83E-20	2.85E-19
MAP4K4	1.31	1.84E-20	2.86E-19
CD320	2.54	1.85E-20	2.88E-19
WDR5	0.79	1.85E-20	2.88E-19
BST2	4.15	1.87E-20	2.90E-19
LRFN4	2.12	1.92E-20	2.98E-19
SLC9A3R1	1.53	1.96E-20	3.05E-19
MGMT	1.67	2.05E-20	3.18E-19
PAXIP1-AS1	1.97	2.07E-20	3.22E-19
P3H1	2.71	2.13E-20	3.30E-19
MIR222HG	-3.48	2.19E-20	3.39E-19
FNIP1	-1.25	2.19E-20	3.39E-19
PIP5K1C	1.59	2.19E-20	3.40E-19
KLF3	-1.25	2.20E-20	3.40E-19
SLC35B2	1.44	2.27E-20	3.51E-19
ARHGEF28	-1.66	2.33E-20	3.61E-19
WDR34	1.14	2.42E-20	3.74E-19
MCAT	1.09	2.42E-20	3.74E-19
OXR1	-1.42	2.53E-20	3.91E-19
PALD1	1.96	2.56E-20	3.95E-19
IRF2	0.97	2.57E-20	3.96E-19
TET3	-1.49	2.58E-20	3.98E-19
CAPN5	2.79	2.63E-20	4.05E-19
LAYN	3.52	2.64E-20	4.07E-19
HIST1H1A	-9.71	2.70E-20	4.16E-19
AC058791.1	-4.11	2.74E-20	4.22E-19
IBTK	-0.99	2.81E-20	4.32E-19
SNX13	-1.19	2.81E-20	4.32E-19

SNORA74A	-10.41	2.81E-20	4.32E-19
RP6-109B7.4	-4.11	2.82E-20	4.33E-19
TRAF3IP2	0.82	2.82E-20	4.33E-19
UBR1	-0.89	2.92E-20	4.48E-19
SNORA53	-8.62	2.93E-20	4.50E-19
TNFRSF10B	1.74	2.95E-20	4.52E-19
RNU11	-6.49	3.08E-20	4.72E-19
RP11-218F10.3	-4.50	3.13E-20	4.79E-19
ETS1	1.80	3.14E-20	4.81E-19
KRT16	7.16	3.16E-20	4.83E-19
CTD-2104P17.2	-6.32	3.22E-20	4.93E-19
RNU2-6P	-10.70	3.24E-20	4.95E-19
TMEM106B	-1.54	3.25E-20	4.97E-19
LTBP3	2.12	3.27E-20	4.99E-19
P4HA3	4.65	3.28E-20	5.01E-19
SEC11A	1.07	3.30E-20	5.04E-19
FAM181B	3.84	3.32E-20	5.06E-19
ASCC3	-1.32	3.36E-20	5.12E-19
ILF3	0.89	3.38E-20	5.15E-19
TBC1D17	1.39	3.44E-20	5.24E-19
ATP8A1	-2.07	3.45E-20	5.25E-19
CREB3	1.33	3.46E-20	5.27E-19
ZNF800	-1.35	3.48E-20	5.30E-19
AP1G1	-0.85	3.50E-20	5.32E-19
FRS2	-1.10	3.57E-20	5.42E-19
APP	1.05	3.64E-20	5.52E-19
AKT1	1.09	3.73E-20	5.66E-19
LAMTOR1	1.11	3.83E-20	5.81E-19
CDKN2D	1.85	3.86E-20	5.85E-19
R3HCC1	1.17	3.92E-20	5.94E-19
HSF1	1.27	3.93E-20	5.95E-19
PHB	1.33	3.94E-20	5.97E-19
MLH3	-0.95	4.01E-20	6.07E-19
TTC39C	-1.09	4.02E-20	6.09E-19
ZDBF2	-1.45	4.14E-20	6.27E-19
PPP2R1A	1.00	4.15E-20	6.27E-19
RNU2-61P	-11.38	4.28E-20	6.47E-19
ZNF205	1.51	4.49E-20	6.77E-19
GPR18	-4.67	4.53E-20	6.83E-19
PTPN11	-1.10	4.54E-20	6.85E-19
OCLN	-1.72	4.62E-20	6.96E-19
NELFE	1.01	4.64E-20	6.99E-19
CTSA	1.28	4.69E-20	7.06E-19
HIST1H2BD	-2.96	4.73E-20	7.12E-19
MCOLN3	-2.40	4.76E-20	7.16E-19

SERPINB1	2.01	4.76E-20	7.16E-19
TSEN34	1.16	4.82E-20	7.24E-19
ANKAR	-2.02	4.86E-20	7.31E-19
MED9	0.79	4.90E-20	7.36E-19
EXOC3L1	2.03	5.01E-20	7.53E-19
BRK1	1.22	5.07E-20	7.61E-19
VASP	1.23	5.11E-20	7.67E-19
SND1	0.75	5.13E-20	7.68E-19
SMG1	-1.50	5.21E-20	7.80E-19
FAM214B	1.37	5.29E-20	7.92E-19
SERPINH1	2.70	5.35E-20	8.00E-19
PPARD	1.96	5.37E-20	8.03E-19
EFHD1	3.50	5.37E-20	8.03E-19
MCPH1	-0.81	5.53E-20	8.27E-19
RAB11FIP1	-1.67	5.58E-20	8.34E-19
PLEKHO2	2.46	5.65E-20	8.43E-19
GALK2	-0.88	5.79E-20	8.64E-19
IVL	2.41	5.81E-20	8.67E-19
MANEA-AS1	-2.73	5.87E-20	8.76E-19
NEFL	4.94	6.04E-20	9.01E-19
COMTD1	1.88	6.13E-20	9.14E-19
LYNX1	2.26	6.16E-20	9.18E-19
ABCD3	-1.36	6.17E-20	9.18E-19
ATP6V0E1	1.19	6.26E-20	9.32E-19
SSX2IP	-1.32	6.27E-20	9.33E-19
SH3TC1	2.92	6.30E-20	9.37E-19
ZNF628	2.06	6.45E-20	9.58E-19
CUEDC1	2.11	6.46E-20	9.59E-19
TNXB	-3.91	6.50E-20	9.64E-19
RP11-778O17.4	-6.85	6.61E-20	9.81E-19
TPRXL	2.54	6.64E-20	9.85E-19
C16orf52	-1.08	6.74E-20	9.99E-19
SIVA1	1.21	6.94E-20	1.03E-18
CCDC22	1.13	7.11E-20	1.05E-18
MAP4K3	-1.15	7.16E-20	1.06E-18
G31356	-3.38	7.35E-20	1.09E-18
ROGDI	2.31	7.88E-20	1.16E-18
FADD	1.39	7.90E-20	1.17E-18
RP11-456K23.1	2.81	7.91E-20	1.17E-18
ZCCHC2	-1.17	7.91E-20	1.17E-18
MLLT1	1.28	7.99E-20	1.18E-18
RP11-566E18.1	-2.02	8.01E-20	1.18E-18
TAX1BP3	-1.87	8.09E-20	1.19E-18
HMCES	1.03	8.44E-20	1.24E-18
PGK1	1.58	8.63E-20	1.27E-18

SCAI	-1.18	8.67E-20	1.28E-18
GHDC	2.22	8.83E-20	1.30E-18
STC1	4.37	8.83E-20	1.30E-18
MYO7B	-2.85	9.11E-20	1.34E-18
SNTB2	-1.06	9.27E-20	1.36E-18
TMEM119	3.86	9.48E-20	1.39E-18
TCIRG1	2.56	9.67E-20	1.42E-18
CD81	1.24	9.69E-20	1.42E-18
ZBTB42	1.55	9.94E-20	1.46E-18
PPWD1	-0.78	1.00E-19	1.47E-18
TMEM115	0.81	1.01E-19	1.48E-18
DRAP1	1.59	1.01E-19	1.48E-18
ZNF675	-1.73	1.02E-19	1.49E-18
RP11-832A4.7	3.97	1.03E-19	1.50E-18
CHRNG	-3.62	1.04E-19	1.52E-18
FAM83B	-1.60	1.05E-19	1.54E-18
GSTK1	0.78	1.06E-19	1.55E-18
HYMAI	-4.91	1.07E-19	1.56E-18
NOC3L	-1.38	1.07E-19	1.56E-18
DCBLD1	1.64	1.08E-19	1.58E-18
FAM84A	1.66	1.09E-19	1.59E-18
HOXB7	3.44	1.09E-19	1.59E-18
SGPL1	-1.10	1.10E-19	1.60E-18
TRIOBP	1.36	1.10E-19	1.61E-18
PTPN3	-1.63	1.11E-19	1.61E-18
MRVI1	2.25	1.11E-19	1.62E-18
MPHOSPH8	0.99	1.12E-19	1.63E-18
AC006262.4	-2.87	1.12E-19	1.64E-18
CNFN	2.27	1.13E-19	1.64E-18
XLOC_008878	5.81	1.17E-19	1.69E-18
ITIH3	4.31	1.19E-19	1.73E-18
FTL	2.59	1.22E-19	1.77E-18
STAT6	0.89	1.23E-19	1.79E-18
AGAP3	1.01	1.26E-19	1.82E-18
FAAP100	1.32	1.27E-19	1.85E-18
XLOC_007801	-1.89	1.30E-19	1.88E-18
KDM6A	-0.87	1.33E-19	1.93E-18
SERTAD3	1.19	1.33E-19	1.93E-18
CLASRP	1.84	1.36E-19	1.96E-18
RP11-665G4.1	-3.51	1.37E-19	1.98E-18
LGALS9	2.76	1.39E-19	2.01E-18
FBXL12	1.08	1.41E-19	2.04E-18
ZNF407	-1.10	1.42E-19	2.06E-18
PDPN	2.94	1.43E-19	2.06E-18
BOD1	0.91	1.44E-19	2.08E-18

RP11-447D11.3	-1.88	1.45E-19	2.09E-18
TNFAIP8L1	2.36	1.48E-19	2.14E-18
LRRC32	4.00	1.54E-19	2.22E-18
CIZ1	0.89	1.54E-19	2.23E-18
APPL1	-1.28	1.56E-19	2.25E-18
CCDC102B	3.77	1.62E-19	2.33E-18
INADL	-1.49	1.66E-19	2.39E-18
NNMT	4.20	1.72E-19	2.48E-18
TBC1D2	1.10	1.75E-19	2.51E-18
COX4I2	5.31	1.76E-19	2.52E-18
LMTK2	-1.11	1.76E-19	2.53E-18
LIG3	-1.11	1.78E-19	2.55E-18
ADCK5	1.68	1.80E-19	2.58E-18
G3BP1	-1.26	1.83E-19	2.62E-18
ATF7IP	-1.24	1.84E-19	2.64E-18
B3GALNT2	-1.21	1.86E-19	2.66E-18
PEA15	1.08	1.87E-19	2.67E-18
AC000123.2	-2.48	1.88E-19	2.69E-18
AC020951.1	-3.69	1.90E-19	2.72E-18
CSGALNACT1	2.51	1.92E-19	2.75E-18
CLDN1	-1.90	1.95E-19	2.79E-18
GTF2A1	-1.21	2.00E-19	2.86E-18
REL	-1.28	2.05E-19	2.92E-18
PLXND1	2.92	2.07E-19	2.96E-18
PLK2	1.20	2.09E-19	2.98E-18
ELP6	1.27	2.10E-19	2.99E-18
COL5A3	1.98	2.11E-19	3.01E-18
KCNA2	-3.03	2.12E-19	3.02E-18
STK25	1.04	2.16E-19	3.08E-18
NAPEPLD	-1.18	2.20E-19	3.13E-18
CDK4	1.18	2.22E-19	3.16E-18
ZNF148	-1.25	2.23E-19	3.17E-18
LINC00630	-1.87	2.23E-19	3.17E-18
RP11-102L12.2	-4.55	2.26E-19	3.21E-18
NMI	1.26	2.35E-19	3.33E-18
SNX30	-0.94	2.36E-19	3.36E-18
GUK1	1.06	2.43E-19	3.45E-18
WAPL	-1.19	2.49E-19	3.54E-18
PTTG1IP	1.19	2.58E-19	3.66E-18
LINC01235	4.87	2.62E-19	3.71E-18
TXNRD2	1.64	2.68E-19	3.80E-18
C14orf132	-2.07	2.73E-19	3.87E-18
ATP6V0D1	1.15	2.84E-19	4.02E-18
CLSTN1	1.07	2.87E-19	4.07E-18
P3H3	2.91	2.89E-19	4.08E-18

NEU1	1.20	2.89E-19	4.09E-18
AHR	-1.03	2.91E-19	4.12E-18
ZDHHC8	1.62	2.95E-19	4.16E-18
ATAD2	-1.21	2.97E-19	4.19E-18
KIF1B	-1.16	3.02E-19	4.26E-18
NSD1	-0.81	3.03E-19	4.28E-18
9-Sep	1.13	3.07E-19	4.33E-18
SLC43A2	2.85	3.08E-19	4.33E-18
RP11-178H8.7	-4.07	3.12E-19	4.40E-18
RAB34	1.70	3.13E-19	4.41E-18
ELK1	1.02	3.16E-19	4.45E-18
FBRSL1	1.83	3.25E-19	4.57E-18
HCFC2	-1.00	3.25E-19	4.57E-18
SPCS2	1.13	3.25E-19	4.57E-18
RP5-1112D6.7	-3.68	3.40E-19	4.78E-18
C20orf27	1.60	3.42E-19	4.80E-18
IFI35	2.03	3.44E-19	4.83E-18
CMAHP	-2.05	3.51E-19	4.92E-18
RP11-872J21.5	-4.79	3.61E-19	5.07E-18
XLOC_012579	-2.21	3.71E-19	5.19E-18
DTX3	2.02	3.79E-19	5.32E-18
ZNF865	2.54	3.80E-19	5.33E-18
ST3GAL6	-1.37	3.81E-19	5.33E-18
TP53I11	2.39	3.84E-19	5.37E-18
MAP1S	2.08	3.97E-19	5.55E-18
SURF4	1.13	3.97E-19	5.55E-18
FIZ1	1.17	3.98E-19	5.56E-18
RP6-109B7.2	-4.85	3.98E-19	5.56E-18
TBC1D32	-1.80	4.01E-19	5.60E-18
ATG4B	0.69	4.02E-19	5.62E-18
F3	-1.91	4.03E-19	5.63E-18
CBX8	1.59	4.20E-19	5.85E-18
PEX1	-1.15	4.23E-19	5.89E-18
SP1	-0.89	4.24E-19	5.90E-18
RNF167	1.10	4.24E-19	5.90E-18
TRAF2	1.27	4.26E-19	5.93E-18
CD164L2	3.12	4.40E-19	6.12E-18
ASCC2	0.87	4.43E-19	6.17E-18
DPP3	1.11	4.57E-19	6.36E-18
AC072062.3	-4.37	4.61E-19	6.40E-18
ELP5	1.17	4.69E-19	6.51E-18
LYPD3	1.81	4.70E-19	6.52E-18
MAMDC2-AS1	-4.64	4.70E-19	6.53E-18
CKAP4	1.43	4.73E-19	6.56E-18
GNA13	-1.09	4.75E-19	6.59E-18

GORASP1	0.83	4.76E-19	6.60E-18
CMTM3	2.64	4.77E-19	6.60E-18
NOC4L	1.60	4.89E-19	6.77E-18
STC2	5.16	4.93E-19	6.83E-18
TMED8	-0.78	4.95E-19	6.85E-18
DNAL4	1.20	5.01E-19	6.92E-18
MAFF	1.22	5.08E-19	7.02E-18
SNORA80	-10.45	5.24E-19	7.24E-18
NUDT8	1.90	5.30E-19	7.32E-18
TREX2	2.65	5.32E-19	7.35E-18
FTX	-2.97	5.33E-19	7.35E-18
LAMB1	1.77	5.41E-19	7.46E-18
ESCO1	-0.94	5.44E-19	7.49E-18
SGK223	1.82	5.52E-19	7.61E-18
CEP131	1.63	5.55E-19	7.64E-18
TEKT4P2	4.60	5.64E-19	7.76E-18
ALPL	4.53	5.66E-19	7.79E-18
TMEM154	-1.79	5.69E-19	7.83E-18
ID3	2.00	5.71E-19	7.86E-18
SNAPC2	1.67	5.74E-19	7.89E-18
MIDN	1.87	5.77E-19	7.93E-18
IRAK1	1.43	5.79E-19	7.95E-18
EPB41L5	-0.90	5.91E-19	8.11E-18
UCHL3	-1.66	5.93E-19	8.13E-18
PLCD1	1.11	6.03E-19	8.26E-18
PATZ1	1.47	6.09E-19	8.35E-18
PTPN18	1.73	6.25E-19	8.57E-18
FAIM2	6.19	6.26E-19	8.58E-18
LINC01126	-3.74	6.31E-19	8.64E-18
ORC4	-1.01	6.39E-19	8.74E-18
SHFM1	1.42	6.45E-19	8.82E-18
CFLAR-AS1	-2.83	6.49E-19	8.87E-18
KLF7	1.80	6.54E-19	8.94E-18
AC009120.6	-2.50	6.70E-19	9.15E-18
C1orf123	1.31	6.75E-19	9.21E-18
STX17	-1.11	6.77E-19	9.24E-18
SAC3D1	1.48	6.88E-19	9.38E-18
SRP68	0.96	7.11E-19	9.69E-18
ADGRF2	-2.02	7.48E-19	1.02E-17
CD276	2.11	7.73E-19	1.05E-17
TMEM255B	3.23	7.76E-19	1.06E-17
SLC39A3	1.51	7.92E-19	1.08E-17
SLC6A8	1.65	7.97E-19	1.08E-17
C3orf38	-0.99	8.34E-19	1.13E-17
NCDN	1.55	8.54E-19	1.16E-17

C4orf48	3.32	8.64E-19	1.17E-17
METTL25	-1.30	8.67E-19	1.18E-17
POLK	-1.16	8.76E-19	1.19E-17
KLF6	1.10	8.81E-19	1.20E-17
MRPS21	1.13	8.83E-19	1.20E-17
STXBP4	-1.41	8.86E-19	1.20E-17
PCBP4	1.20	9.07E-19	1.23E-17
GAA	2.13	9.47E-19	1.28E-17
RNU5E-1	-10.30	9.61E-19	1.30E-17
SNHG25	-4.67	9.65E-19	1.31E-17
SIRT7	1.44	9.69E-19	1.31E-17
EPT1	-1.52	9.78E-19	1.32E-17
ZNF626	-2.17	9.80E-19	1.33E-17
SMIM13	-1.15	9.88E-19	1.33E-17
PLA2G4D	2.66	1.01E-18	1.36E-17
UPF1	1.01	1.03E-18	1.39E-17
CHPF2	1.45	1.06E-18	1.42E-17
SPARCL1	2.91	1.07E-18	1.45E-17
IFITM1	4.03	1.08E-18	1.45E-17
USHBP1	2.93	1.08E-18	1.46E-17
USF1	1.02	1.09E-18	1.47E-17
IFRD2	1.68	1.10E-18	1.48E-17
USH2A	-4.28	1.10E-18	1.48E-17
EEFSEC	1.38	1.13E-18	1.52E-17
TRIP12	-0.86	1.16E-18	1.56E-17
C3orf49	-3.54	1.16E-18	1.56E-17
GPS1	0.96	1.16E-18	1.57E-17
EIF2AK3	-0.87	1.18E-18	1.59E-17
PDCD7	0.82	1.19E-18	1.60E-17
FBXL6	1.76	1.20E-18	1.62E-17
JAK3	2.84	1.21E-18	1.63E-17
SNN	1.48	1.23E-18	1.65E-17
MTG2	1.10	1.23E-18	1.65E-17
DTYMK	1.24	1.23E-18	1.65E-17
FHL5	4.19	1.27E-18	1.70E-17
GPX2	3.10	1.27E-18	1.70E-17
SLC38A7	1.74	1.28E-18	1.71E-17
CXXC5	1.23	1.28E-18	1.72E-17
ARF5	1.17	1.39E-18	1.85E-17
LILRB2	4.59	1.40E-18	1.87E-17
RP9	1.13	1.41E-18	1.88E-17
LGI3	-2.88	1.41E-18	1.88E-17
ZNF836	-1.02	1.43E-18	1.91E-17
APLF	-1.62	1.44E-18	1.92E-17
EIF5A	1.47	1.44E-18	1.93E-17

STXBP6	-1.98	1.47E-18	1.96E-17
FEM1B	-1.19	1.48E-18	1.97E-17
DMWD	1.24	1.52E-18	2.03E-17
CAPN7	-0.81	1.57E-18	2.09E-17
SNRPA	0.99	1.58E-18	2.11E-17
MARK4	1.31	1.59E-18	2.12E-17
PANK1	-1.55	1.59E-18	2.12E-17
CAMTA1	1.07	1.61E-18	2.14E-17
ETFB	1.34	1.66E-18	2.21E-17
SETD2	-0.92	1.67E-18	2.22E-17
PRR5	1.70	1.69E-18	2.25E-17
REEP4	1.35	1.73E-18	2.29E-17
TNFSF10	1.51	1.73E-18	2.30E-17
FAM13A-AS1	-3.04	1.73E-18	2.30E-17
RP1-140J1.1	-4.23	1.75E-18	2.32E-17
LATS1	-0.89	1.79E-18	2.38E-17
CTB-152G17.6	-2.99	1.83E-18	2.43E-17
FCGBP	-2.21	1.87E-18	2.48E-17
ZNF212	1.10	1.89E-18	2.50E-17
RSAD1	1.07	1.91E-18	2.53E-17
WNT2B	-2.22	1.92E-18	2.54E-17
RNF122	1.69	1.94E-18	2.56E-17
AF131216.6	-4.07	1.96E-18	2.59E-17
DIP2B	-1.12	1.97E-18	2.60E-17
EPS8	1.59	2.04E-18	2.69E-17
GIMAP1	2.75	2.08E-18	2.74E-17
SNX27	-1.02	2.09E-18	2.76E-17
SPOPL	-0.98	2.13E-18	2.81E-17
DVL1	1.05	2.13E-18	2.81E-17
ADGRL4	3.18	2.17E-18	2.86E-17
APOL2	1.79	2.20E-18	2.89E-17
UNC45A	0.94	2.20E-18	2.90E-17
ADCY4	2.41	2.22E-18	2.92E-17
TXNDC5	3.01	2.36E-18	3.11E-17
TAGLN2	1.50	2.37E-18	3.12E-17
RP4-742J24.2	-4.89	2.39E-18	3.14E-17
WDR18	1.51	2.39E-18	3.14E-17
YWHAE	1.05	2.41E-18	3.17E-17
LAMB3	1.40	2.43E-18	3.19E-17
MPG	1.59	2.43E-18	3.19E-17
CTC-321K16.1	-3.28	2.44E-18	3.20E-17
ZFAND5	0.87	2.47E-18	3.24E-17
EMC4	1.18	2.49E-18	3.26E-17
DNAJC16	-0.84	2.53E-18	3.32E-17
PCED1A	1.85	2.55E-18	3.34E-17

FBXW7	-1.29	2.63E-18	3.45E-17
AADACL3	-12.37	2.69E-18	3.52E-17
TUBA1C	1.78	2.70E-18	3.53E-17
CTB-36H16.2	-1.83	2.86E-18	3.74E-17
PRPS1	1.26	2.91E-18	3.80E-17
CDH22	-2.87	2.91E-18	3.80E-17
DDX39A	1.36	2.93E-18	3.83E-17
OST4	1.13	2.99E-18	3.90E-17
PGD	1.40	2.99E-18	3.91E-17
STMN3	2.02	3.00E-18	3.92E-17
FRAS1	-2.84	3.01E-18	3.93E-17
UBB	1.57	3.04E-18	3.96E-17
PDE1A	4.07	3.04E-18	3.96E-17
DPCD	1.37	3.16E-18	4.11E-17
GPR162	3.34	3.18E-18	4.14E-17
TRIM47	2.00	3.19E-18	4.15E-17
SELO	1.57	3.23E-18	4.20E-17
MT-ND2	5.12	3.24E-18	4.22E-17
PLCG1	1.01	3.29E-18	4.27E-17
NUDT9	0.96	3.46E-18	4.50E-17
DDX25	-3.41	3.57E-18	4.63E-17
SPON2	2.06	3.73E-18	4.84E-17
MRPL37	0.94	3.73E-18	4.84E-17
GANAB	0.91	3.79E-18	4.91E-17
ARL4D	2.26	3.80E-18	4.92E-17
UGGT1	-0.92	3.82E-18	4.94E-17
KLC4	1.02	3.87E-18	5.01E-17
DOHH	1.44	3.94E-18	5.10E-17
ANKRD29	2.68	3.94E-18	5.10E-17
PARP10	1.59	4.00E-18	5.18E-17
RSBN1	-1.03	4.04E-18	5.22E-17
CTDNEP1	1.78	4.10E-18	5.29E-17
SNX8	1.52	4.28E-18	5.53E-17
KPNA5	-1.18	4.41E-18	5.69E-17
PLAG1	-2.14	4.52E-18	5.83E-17
CTD-2267D19.3	1.53	4.54E-18	5.86E-17
PPP6R1	1.18	4.63E-18	5.97E-17
FOXS1	5.53	4.67E-18	6.02E-17
PPM1A	-1.03	4.67E-18	6.02E-17
BNC1	1.52	4.74E-18	6.10E-17
UBAC2	0.88	4.77E-18	6.14E-17
SURF1	1.20	4.78E-18	6.15E-17
TCEB2	1.39	4.88E-18	6.28E-17
CHD1	-1.02	4.98E-18	6.41E-17
DEDD2	1.09	5.01E-18	6.44E-17

SFMBT1	-1.02	5.03E-18	6.47E-17
NEMP2	-1.79	5.09E-18	6.54E-17
CYHR1	1.27	5.14E-18	6.59E-17
MAGED2	1.33	5.26E-18	6.75E-17
SNORA14B	-6.51	5.29E-18	6.78E-17
INA	3.05	5.32E-18	6.82E-17
ALDH7A1	1.14	5.40E-18	6.92E-17
LINC01355	-3.27	5.46E-18	7.00E-17
RUNX2	2.60	5.50E-18	7.04E-17
CTD-2651B20.6	-9.47	5.52E-18	7.07E-17
SAR1B	-1.19	5.53E-18	7.08E-17
SMDT1	1.52	5.61E-18	7.18E-17
RP11-4K16.2	-4.02	5.65E-18	7.23E-17
TCHHL1	-22.12	5.70E-18	7.28E-17
ZDHHC24	1.01	5.70E-18	7.28E-17
ZNF551	-1.27	5.80E-18	7.41E-17
HRH2	4.26	5.80E-18	7.41E-17
RASGRP2	3.45	5.93E-18	7.56E-17
BCL6B	3.20	5.96E-18	7.61E-17
LOXL1	3.25	5.97E-18	7.61E-17
TMEM168	-1.05	6.03E-18	7.68E-17
ERCC8	-1.08	6.15E-18	7.84E-17
GSTP1	1.47	6.28E-18	8.00E-17
YKT6	1.10	6.33E-18	8.06E-17
SLC41A3	0.93	6.43E-18	8.18E-17
RP4-530I15.9	-3.92	6.44E-18	8.19E-17
COCH	-4.72	6.45E-18	8.20E-17
TRIM33	-1.06	6.58E-18	8.36E-17
SLC39A4	1.79	6.62E-18	8.41E-17
DTNBP1	1.85	6.68E-18	8.49E-17
FRMD8	1.36	6.69E-18	8.49E-17
ATP11B	-1.22	6.78E-18	8.61E-17
CRELD1	1.70	6.83E-18	8.66E-17
SRGAP2B	-1.32	6.85E-18	8.69E-17
KHDRBS3	2.74	6.89E-18	8.74E-17
SLC2A5	3.36	6.99E-18	8.86E-17
SNHG18	1.65	7.07E-18	8.95E-17
GUF1	-0.93	7.18E-18	9.09E-17
GLUL	1.61	7.25E-18	9.17E-17
OLFML2B	4.06	7.26E-18	9.19E-17
HOXC9	1.75	7.37E-18	9.32E-17
TMEM109	1.15	7.40E-18	9.35E-17
ZNF496	1.21	7.49E-18	9.47E-17
RTN2	1.72	7.50E-18	9.47E-17
RBL1	-1.37	7.61E-18	9.60E-17

Gene	log2FC	p-value	adj p-value
STK16	1.11	7.72E-18	9.75E-17
FLT4	3.43	7.77E-18	9.80E-17
TMSB4X	1.87	7.82E-18	9.86E-17
ELK3	1.74	7.82E-18	9.86E-17
EMC10	1.13	7.86E-18	9.90E-17
IFFO1	2.57	7.93E-18	9.99E-17
RP11-768B22.2	-5.83	7.95E-18	1.00E-16
HAGH	1.01	7.96E-18	1.00E-16
APBA3	1.52	7.97E-18	1.00E-16
STAT3	0.92	7.99E-18	1.01E-16
PURB	-1.08	8.16E-18	1.03E-16
PPIH	0.99	8.21E-18	1.03E-16
CTNNBL1	0.82	8.23E-18	1.03E-16
FAM65A	2.48	8.29E-18	1.04E-16
CPTP	1.27	8.53E-18	1.07E-16
ZNF440	-1.54	8.63E-18	1.08E-16
ZNF280C	-1.46	8.98E-18	1.13E-16
STK19	1.01	9.03E-18	1.13E-16
COL8A1	4.19	9.05E-18	1.13E-16
RP11-544M22.8	-6.03	9.24E-18	1.16E-16
TRIM26	0.84	9.27E-18	1.16E-16
RP11-55K13.1	-4.77	9.29E-18	1.16E-16
RAPGEF4	-1.69	9.40E-18	1.18E-16
CHCHD10	3.00	9.59E-18	1.20E-16
C3orf35	-2.76	9.72E-18	1.21E-16
HOXA11-AS	4.09	9.81E-18	1.23E-16
ZNF549	-1.10	9.93E-18	1.24E-16
G21027	-4.22	1.00E-17	1.25E-16
GIMAP4	2.66	1.00E-17	1.25E-16
COL6A1	3.31	1.01E-17	1.26E-16
ZNF596	-1.26	1.01E-17	1.27E-16
RAD54B	-2.08	1.02E-17	1.27E-16
KLRF2	-4.16	1.04E-17	1.29E-16
USP12	-1.07	1.05E-17	1.31E-16
SOS2	-0.78	1.05E-17	1.31E-16
MAP7D3	1.26	1.06E-17	1.32E-16
TUBG2	2.16	1.07E-17	1.33E-16
AC139100.3	-4.08	1.07E-17	1.33E-16
PYGL	1.77	1.08E-17	1.34E-16
EIF3G	1.05	1.08E-17	1.34E-16
GFER	1.71	1.08E-17	1.34E-16
ERVFRD-1	-4.21	1.08E-17	1.34E-16
ERRFI1	1.41	1.09E-17	1.36E-16
FUS	2.22	1.12E-17	1.39E-16
RP5-1085F17.3	-1.39	1.13E-17	1.40E-16

MTCL1	2.24	1.19E-17	1.47E-16
SNX18P3	-4.22	1.20E-17	1.49E-16
BFSP1	2.08	1.22E-17	1.51E-16
ZNF234	-1.20	1.22E-17	1.52E-16
RP11-70L8.4	-3.55	1.23E-17	1.52E-16
AAAS	1.09	1.23E-17	1.53E-16
NUDT3	-0.78	1.25E-17	1.55E-16
PMM1	1.48	1.28E-17	1.59E-16
QTRT1	1.62	1.30E-17	1.60E-16
MPV17	1.32	1.30E-17	1.60E-16
CLOCK	-1.07	1.30E-17	1.61E-16
POLRMT	1.13	1.32E-17	1.63E-16
MT-ATP6	3.79	1.32E-17	1.63E-16
ARMC8	-0.67	1.34E-17	1.65E-16
FIS1	1.17	1.34E-17	1.66E-16
C10orf54	1.38	1.35E-17	1.67E-16
RP11-286N22.8	-3.90	1.37E-17	1.68E-16
CIR1	1.26	1.37E-17	1.69E-16
ORC2	-0.70	1.43E-17	1.76E-16
IDH3G	0.81	1.45E-17	1.79E-16
RNF121	0.81	1.49E-17	1.83E-16
C11orf95	1.86	1.49E-17	1.83E-16
STXBP1	1.57	1.50E-17	1.84E-16
SDF2L1	2.31	1.51E-17	1.86E-16
PLBD2	1.88	1.54E-17	1.89E-16
TMEM187	1.28	1.54E-17	1.90E-16
LONRF1	-1.91	1.55E-17	1.90E-16
AQR	-0.89	1.58E-17	1.94E-16
FANCD2	-1.25	1.62E-17	1.98E-16
FMR1	-0.87	1.63E-17	1.99E-16
BBIP1	-1.58	1.63E-17	2.00E-16
C16orf13	1.21	1.64E-17	2.01E-16
PRPF6	0.89	1.67E-17	2.04E-16
RP11-849H4.2	-2.25	1.68E-17	2.05E-16
PPIB	1.65	1.70E-17	2.08E-16
VWF	3.23	1.73E-17	2.11E-16
SDHAF1	1.27	1.75E-17	2.14E-16
THOP1	1.08	1.76E-17	2.15E-16
ZNF674	-1.07	1.76E-17	2.15E-16
TXNDC17	1.55	1.82E-17	2.22E-16
C16orf72	-0.68	1.83E-17	2.23E-16
GPR75	-2.39	1.84E-17	2.25E-16
TNFRSF4	5.40	1.90E-17	2.32E-16
PFKFB3	1.49	1.91E-17	2.33E-16
PLCE1	-1.29	1.91E-17	2.33E-16

Gene	Value	p-value	adj. p-value
HRC	3.50	1.92E-17	2.34E-16
CTD-2017D11.1	-4.06	1.93E-17	2.35E-16
BTAF1	-1.52	2.05E-17	2.49E-16
CNGB1	7.89	2.05E-17	2.50E-16
LDLRAP1	0.99	2.12E-17	2.58E-16
NDUFA8	1.37	2.18E-17	2.65E-16
MRPL4	1.29	2.18E-17	2.66E-16
NFXL1	-1.08	2.23E-17	2.71E-16
NDUFS3	0.96	2.23E-17	2.71E-16
TMEM165	1.37	2.23E-17	2.71E-16
RAB29	1.75	2.27E-17	2.75E-16
TTBK2	-1.03	2.29E-17	2.78E-16
SLC15A3	3.18	2.30E-17	2.79E-16
ZCCHC17	1.06	2.32E-17	2.81E-16
CD55	-1.13	2.32E-17	2.81E-16
MAEA	0.80	2.34E-17	2.84E-16
MT-ND1	4.86	2.44E-17	2.95E-16
ANAPC4	-0.90	2.44E-17	2.95E-16
TAPT1	-0.76	2.49E-17	3.01E-16
MET	-1.56	2.50E-17	3.02E-16
PHLPP2	-1.17	2.52E-17	3.05E-16
WDR46	0.93	2.53E-17	3.06E-16
ZNF571-AS1	-2.31	2.76E-17	3.34E-16
ANGPTL2	3.23	2.78E-17	3.35E-16
SAMD4B	1.37	2.90E-17	3.50E-16
TNC	3.40	2.92E-17	3.52E-16
UNC13C	-3.68	2.92E-17	3.52E-16
RFESD	-2.30	2.93E-17	3.53E-16
ACER2	-1.78	3.02E-17	3.64E-16
AMDHD2	1.48	3.02E-17	3.64E-16
XRCC1	1.12	3.02E-17	3.64E-16
DUS1L	1.41	3.05E-17	3.67E-16
BMP2	-1.54	3.07E-17	3.69E-16
FSIP2	-4.25	3.08E-17	3.71E-16
RP11-264I13.2	-1.71	3.14E-17	3.78E-16
AMER1	-1.06	3.21E-17	3.86E-16
EVI5L	1.48	3.27E-17	3.93E-16
MAGOH	1.39	3.27E-17	3.93E-16
KRR1	-1.03	3.28E-17	3.94E-16
ZNF513	1.37	3.30E-17	3.96E-16
TBC1D5	-0.81	3.34E-17	4.01E-16
SMAD6	2.24	3.39E-17	4.07E-16
PSME3	1.07	3.41E-17	4.09E-16
DYRK1B	1.35	3.43E-17	4.11E-16
CCDC71L	2.37	3.45E-17	4.13E-16

RIMKLBP2	-5.12	3.50E-17	4.20E-16
SERTAD1	1.48	3.56E-17	4.27E-16
ZDHHC1	1.64	3.63E-17	4.35E-16
SERPINE2	3.24	3.68E-17	4.40E-16
ADAMTS7	4.54	3.75E-17	4.49E-16
CNIH3	1.91	3.87E-17	4.62E-16
MUL1	1.03	4.01E-17	4.80E-16
PDZD8	-0.94	4.04E-17	4.83E-16
POLDIP2	0.88	4.09E-17	4.89E-16
DACT3	2.88	4.10E-17	4.89E-16
RP11-408H20.3	-3.26	4.15E-17	4.96E-16
AC015971.2	-3.55	4.18E-17	4.99E-16
LRRFIP1	1.18	4.18E-17	4.99E-16
CXorf40B	1.21	4.20E-17	5.00E-16
BPTF	-0.92	4.20E-17	5.00E-16
GALNT18	1.69	4.26E-17	5.08E-16
PELI2	-1.79	4.32E-17	5.15E-16
GTF2A2	1.08	4.46E-17	5.30E-16
KIAA1715	-1.22	4.54E-17	5.40E-16
RP11-571I18.5	-6.51	4.54E-17	5.40E-16
MECOM	2.77	4.56E-17	5.42E-16
FOXN3	-1.33	4.69E-17	5.58E-16
EYA2	2.84	4.86E-17	5.77E-16
PA2G4	1.19	4.87E-17	5.78E-16
GAS6	1.49	4.90E-17	5.81E-16
KLHDC8B	1.70	4.94E-17	5.86E-16
MT1F	2.82	4.97E-17	5.89E-16
TECPR1	1.25	4.99E-17	5.91E-16
LYN	2.07	4.99E-17	5.91E-16
TARDBP	0.80	5.04E-17	5.97E-16
CHML	-1.47	5.06E-17	5.99E-16
PIAS2	-1.15	5.08E-17	6.02E-16
ATG9A	1.03	5.12E-17	6.05E-16
MXRA8	3.52	5.14E-17	6.09E-16
CTIF	1.09	5.17E-17	6.11E-16
MMP9	5.87	5.23E-17	6.18E-16
CALR	1.55	5.25E-17	6.20E-16
PDE3A	3.45	5.27E-17	6.22E-16
LINC00842	-2.17	5.27E-17	6.22E-16
STOML2	1.13	5.30E-17	6.25E-16
CENPB	1.33	5.31E-17	6.27E-16
WDR81	1.19	5.36E-17	6.32E-16
RBPMS2	3.59	5.38E-17	6.35E-16
PDIA5	2.19	5.43E-17	6.40E-16
IER5	1.17	5.46E-17	6.44E-16

Gene	Value	p-value	adj. p-value
MAP3K4	-0.94	5.70E-17	6.72E-16
SLC2A3	2.88	5.75E-17	6.76E-16
RP11-126H7.4	-4.61	5.75E-17	6.77E-16
LRP2BP	-2.17	5.76E-17	6.78E-16
MOSPD2	-1.38	5.78E-17	6.80E-16
SCIN	-2.03	5.84E-17	6.86E-16
SDR42E1	-1.53	5.89E-17	6.92E-16
CTDSPL	-0.82	5.89E-17	6.92E-16
C19orf47	0.95	5.97E-17	7.01E-16
DNAJC4	1.20	5.98E-17	7.02E-16
RP11-380B4.3	-4.21	6.00E-17	7.04E-16
SENP2	-0.75	6.15E-17	7.21E-16
PCDH11X	-3.52	6.18E-17	7.24E-16
NAGS	1.58	6.18E-17	7.25E-16
INTS6	-1.12	6.24E-17	7.31E-16
DUS3L	1.11	6.25E-17	7.32E-16
RP11-21L23.2	-2.44	6.30E-17	7.37E-16
ITGB8	-1.75	6.33E-17	7.41E-16
MT-TY	-5.99	6.35E-17	7.43E-16
SLC10A1	-6.31	6.39E-17	7.47E-16
ATP2B4	-0.89	6.40E-17	7.48E-16
UBE3A	-0.84	6.46E-17	7.55E-16
RP11-347P5.1	-4.54	6.92E-17	8.08E-16
TARS2	0.93	6.95E-17	8.11E-16
SPINT2	1.24	7.07E-17	8.26E-16
LY6E	2.27	7.23E-17	8.43E-16
CDKN2B	1.93	7.25E-17	8.46E-16
PACSIN3	1.33	7.27E-17	8.48E-16
SCAMP3	0.96	7.30E-17	8.51E-16
ARHGAP22	2.48	7.32E-17	8.53E-16
ADRBK1	1.00	7.35E-17	8.56E-16
ZFYVE16	-0.96	7.36E-17	8.57E-16
VSNL1	1.77	7.42E-17	8.64E-16
SNHG22	-4.36	7.56E-17	8.80E-16
MIR133A1HG	-5.34	7.58E-17	8.82E-16
CLIP4	-1.38	7.82E-17	9.09E-16
BOK	1.21	7.92E-17	9.20E-16
KRT26	-20.47	7.92E-17	9.20E-16
SH3GL1	1.33	7.94E-17	9.22E-16
LCE3E	5.89	7.95E-17	9.22E-16
TBC1D25	1.03	7.97E-17	9.25E-16
RP11-452L6.5	-1.49	7.98E-17	9.26E-16
SH3RF3	1.61	8.02E-17	9.30E-16
CAMSAP2	-1.06	8.04E-17	9.32E-16
DOCK6	1.65	8.06E-17	9.34E-16

ZNF770	-1.45	8.11E-17	9.40E-16
LINC01473	-3.16	8.13E-17	9.41E-16
UTP15	-1.05	8.15E-17	9.44E-16
ATP6V1F	1.14	8.34E-17	9.66E-16
KIAA0232	-0.89	8.37E-17	9.68E-16
SAMD1	1.20	8.48E-17	9.81E-16
RPL35	1.31	8.58E-17	9.91E-16
CLEC7A	2.52	8.69E-17	1.00E-15
ZNF280D	-0.97	8.70E-17	1.00E-15
F2RL3	4.67	8.74E-17	1.01E-15
ADD1	0.59	8.80E-17	1.02E-15
ARID3A	1.66	8.81E-17	1.02E-15
S100P	3.94	8.87E-17	1.02E-15
EYA3	-0.84	8.88E-17	1.02E-15
TPPP	-3.41	8.91E-17	1.03E-15
LRRC58	-1.12	8.93E-17	1.03E-15
RAD23A	1.04	9.02E-17	1.04E-15
LINC01197	3.57	9.44E-17	1.09E-15
IER5L	2.69	9.65E-17	1.11E-15
PXN	1.65	9.76E-17	1.12E-15
CCL21	3.89	9.79E-17	1.13E-15
AKT2	0.79	9.80E-17	1.13E-15
MYC	2.16	9.87E-17	1.13E-15
NCOA3	-0.94	9.90E-17	1.14E-15
PCAT6	2.70	9.94E-17	1.14E-15
TMEM121	2.72	9.99E-17	1.15E-15
GPR176	3.07	1.00E-16	1.15E-15
RP11-49K24.8	-5.41	1.01E-16	1.16E-15
SLC44A2	0.88	1.03E-16	1.18E-15
TSSC4	1.22	1.03E-16	1.18E-15
AC009299.2	-4.51	1.03E-16	1.18E-15
DLG1	-0.92	1.04E-16	1.19E-15
MRPL19	-1.09	1.04E-16	1.19E-15
LGALS1	2.89	1.05E-16	1.20E-15
PTPN9	1.05	1.06E-16	1.21E-15
SCRIB	1.42	1.06E-16	1.21E-15
SNORA84	-9.58	1.06E-16	1.21E-15
DENND2C	-1.42	1.07E-16	1.22E-15
FAM109B	1.65	1.08E-16	1.23E-15
NDUFS2	0.84	1.08E-16	1.23E-15
CCDC186	-1.48	1.12E-16	1.28E-15
RPA1	0.93	1.12E-16	1.28E-15
PLXNA2	-1.17	1.12E-16	1.28E-15
OBFC1	0.91	1.12E-16	1.28E-15
ATP5S	-0.87	1.13E-16	1.29E-15

Gene	Value	P-value	Adj. P-value
SRP14	1.24	1.13E-16	1.29E-15
AVPR2	3.12	1.13E-16	1.29E-15
PLAU	2.45	1.15E-16	1.31E-15
WIZ	1.46	1.16E-16	1.32E-15
HTR7	5.00	1.18E-16	1.34E-15
SNORA71B	-5.63	1.19E-16	1.35E-15
OAF	3.17	1.19E-16	1.36E-15
TSPO	1.44	1.20E-16	1.36E-15
GAS5-AS1	-2.62	1.20E-16	1.37E-15
TMEM255A	-2.34	1.21E-16	1.37E-15
NFIA	-1.24	1.21E-16	1.37E-15
NARFL	1.15	1.21E-16	1.38E-15
ZNF581	1.05	1.24E-16	1.40E-15
C1R	3.11	1.26E-16	1.43E-15
STARD13-AS	-5.71	1.26E-16	1.43E-15
FAM199X	-1.08	1.27E-16	1.43E-15
DLG4	2.45	1.28E-16	1.45E-15
RP11-173A16.2	-5.41	1.28E-16	1.45E-15
SNRNP25	1.57	1.29E-16	1.46E-15
LINC01023	1.93	1.29E-16	1.46E-15
TUFM	1.00	1.31E-16	1.48E-15
IL10RB	0.95	1.31E-16	1.48E-15
ZFAND2A	1.50	1.31E-16	1.48E-15
MEOX1	2.42	1.36E-16	1.53E-15
ABCF3	0.80	1.37E-16	1.54E-15
GPALPP1	-0.83	1.37E-16	1.54E-15
SGTB	-1.24	1.37E-16	1.55E-15
MAD1L1	0.88	1.39E-16	1.57E-15
TJAP1	1.47	1.40E-16	1.58E-15
SNHG19	1.74	1.41E-16	1.59E-15
NUDT1	1.36	1.46E-16	1.64E-15
RNF145	1.16	1.46E-16	1.65E-15
STK4	-0.81	1.46E-16	1.65E-15
RP11-109J4.1	3.99	1.46E-16	1.65E-15
PCMTD1	-1.19	1.48E-16	1.67E-15
BACH1-IT1	-2.84	1.49E-16	1.67E-15
TMEM74B	2.81	1.49E-16	1.67E-15
LRIG3	-0.77	1.50E-16	1.69E-15
ATN1	2.85	1.53E-16	1.72E-15
PERM1	2.21	1.53E-16	1.72E-15
TAF6	1.17	1.55E-16	1.75E-15
JHDM1D-AS1	1.57	1.59E-16	1.79E-15
MB21D1	2.02	1.61E-16	1.81E-15
RP11-840I19.3	-3.76	1.61E-16	1.81E-15
EPN2-AS1	-4.52	1.62E-16	1.81E-15

Gene	log2FC	p-value	adj p-value
AC083884.8	-4.90	1.62E-16	1.82E-15
RP5-1158E12.3	-3.79	1.63E-16	1.83E-15
AP1S1	1.54	1.64E-16	1.83E-15
SNORA28	-8.70	1.64E-16	1.84E-15
LMAN2	1.07	1.65E-16	1.85E-15
PLD3	1.52	1.66E-16	1.86E-15
RP3-368A4.6	-3.30	1.69E-16	1.89E-15
MGAT4B	0.85	1.71E-16	1.91E-15
CDIPT	0.92	1.72E-16	1.93E-15
ZNF66	-1.78	1.73E-16	1.93E-15
B3GALT2	-3.93	1.73E-16	1.94E-15
GMPS	-0.81	1.74E-16	1.94E-15
ABTB1	2.17	1.78E-16	1.99E-15
GLTPD2	1.93	1.79E-16	2.00E-15
RPS15	1.27	1.80E-16	2.01E-15
C20orf96	2.66	1.82E-16	2.03E-15
FAM98C	1.29	1.82E-16	2.03E-15
DDX60	-2.09	1.83E-16	2.05E-15
SASS6	-1.17	1.86E-16	2.08E-15
AK1	2.24	1.88E-16	2.09E-15
RALGAPA1P	-2.32	1.89E-16	2.11E-15
RP4-724E16.2	-3.01	1.90E-16	2.12E-15
PAQR3	-1.67	1.92E-16	2.14E-15
NRIP3	2.26	1.93E-16	2.15E-15
TAF1	-0.78	1.94E-16	2.15E-15
ACVR1	1.22	1.94E-16	2.16E-15
TRPT1	1.10	1.94E-16	2.16E-15
GALNT6	2.41	1.95E-16	2.16E-15
UHRF1BP1L	-1.05	1.96E-16	2.17E-15
BCYRN1	3.48	1.96E-16	2.17E-15
POU2F2	3.46	1.99E-16	2.21E-15
PNPLA2	1.80	1.99E-16	2.21E-15
SETDB2	-1.05	2.00E-16	2.21E-15
CLPTM1	0.84	2.05E-16	2.27E-15
RPL14	1.19	2.05E-16	2.28E-15
MORC3	-1.02	2.07E-16	2.29E-15
ALDH4A1	1.60	2.11E-16	2.34E-15
ERAP1	-1.22	2.12E-16	2.34E-15
C1S	3.35	2.13E-16	2.36E-15
KYNU	2.79	2.13E-16	2.36E-15
ITGA3	1.12	2.14E-16	2.37E-15
MIER3	-1.04	2.17E-16	2.40E-15
ZNF410	-2.80	2.22E-16	2.45E-15
ABCD1	1.75	2.25E-16	2.49E-15
ZBTB24	-1.05	2.26E-16	2.49E-15

Gene	Value	P-value	Adj. P-value
NFKB2	1.61	2.29E-16	2.53E-15
ATP13A1	1.15	2.33E-16	2.57E-15
PAFAH1B3	1.34	2.34E-16	2.58E-15
RAB1A	1.08	2.36E-16	2.60E-15
ACP2	1.18	2.36E-16	2.61E-15
SLC16A10	-2.27	2.36E-16	2.61E-15
HECTD3	1.04	2.37E-16	2.61E-15
RTTN	-1.33	2.39E-16	2.63E-15
IFNGR2	0.91	2.40E-16	2.64E-15
NUP133	-0.86	2.44E-16	2.68E-15
SLC35D2	1.11	2.48E-16	2.73E-15
SIPA1L1	-0.73	2.56E-16	2.81E-15
LRRC4B	3.02	2.59E-16	2.85E-15
DNPEP	1.05	2.60E-16	2.86E-15
FBXL20	-1.19	2.62E-16	2.88E-15
DLX5	1.66	2.66E-16	2.92E-15
SCAMP5	3.72	2.68E-16	2.94E-15
ARHGAP1	1.27	2.75E-16	3.02E-15
RP4-714D9.5	-2.49	2.75E-16	3.02E-15
SYT9	-4.55	2.75E-16	3.02E-15
ASNA1	1.23	2.79E-16	3.06E-15
PSAP	1.38	2.80E-16	3.07E-15
IPMK	-1.69	2.84E-16	3.11E-15
LHX6	3.08	2.87E-16	3.14E-15
NDUFB9	1.00	2.92E-16	3.20E-15
RPS6KA4	1.29	2.96E-16	3.24E-15
CSNK1E	1.09	3.00E-16	3.28E-15
WRAP53	1.36	3.00E-16	3.28E-15
FLI1	2.21	3.02E-16	3.30E-15
VLDLR	1.63	3.03E-16	3.31E-15
ITGB1BP1	0.86	3.05E-16	3.33E-15
ZNF254	-1.55	3.11E-16	3.39E-15
MT1E	2.46	3.11E-16	3.40E-15
ZNF519	-1.77	3.13E-16	3.42E-15
SUGT1P3	-3.03	3.13E-16	3.42E-15
AC083843.1	-2.38	3.14E-16	3.42E-15
G12890	-2.76	3.28E-16	3.58E-15
MCC	-1.25	3.28E-16	3.58E-15
RAB11FIP5	1.10	3.28E-16	3.58E-15
NSUN5	1.20	3.31E-16	3.61E-15
NEB	-2.44	3.36E-16	3.66E-15
PRRT1	2.12	3.40E-16	3.70E-15
G32166	-1.52	3.44E-16	3.74E-15
SPCS3	-1.19	3.47E-16	3.78E-15
THOC6	1.19	3.48E-16	3.78E-15

CXorf40A	0.87	3.50E-16	3.80E-15
SIRPA	1.17	3.53E-16	3.83E-15
PDZD2	-1.52	3.53E-16	3.83E-15
AC069547.2	-8.97	3.54E-16	3.84E-15
WASH3P	1.55	3.55E-16	3.86E-15
CTDSP1	0.90	3.56E-16	3.87E-15
GDF7	-1.40	3.62E-16	3.93E-15
FAM50B	1.12	3.66E-16	3.96E-15
NTHL1	1.44	3.70E-16	4.02E-15
GIPC3	3.72	3.74E-16	4.06E-15
PORCN	1.38	3.78E-16	4.09E-15
NPC2	1.37	3.78E-16	4.10E-15
C22orf46	1.42	3.82E-16	4.14E-15
LIMA1	1.14	3.86E-16	4.18E-15
TOP2B	-0.92	3.87E-16	4.18E-15
SNORA38	-9.07	3.88E-16	4.19E-15
P4HA2	1.11	3.90E-16	4.21E-15
NPRL3	1.28	3.92E-16	4.24E-15
LILRB1	5.31	3.96E-16	4.28E-15
RP11-282K24.3	-4.19	3.98E-16	4.30E-15
LRP10	0.96	4.05E-16	4.37E-15
RPS6KA2	1.34	4.18E-16	4.51E-15
DHRS1	1.40	4.21E-16	4.54E-15
INPP5K	0.96	4.23E-16	4.56E-15
LINC01290	-3.59	4.29E-16	4.62E-15
MFNG	2.63	4.36E-16	4.69E-15
MTX3	-1.09	4.41E-16	4.76E-15
RP11-425M5.7	-4.99	4.43E-16	4.77E-15
TBX1	2.79	4.43E-16	4.77E-15
TMEM170A	-0.96	4.46E-16	4.80E-15
AC079807.2	2.00	4.48E-16	4.82E-15
DFNA5	2.81	4.51E-16	4.86E-15
ALKBH4	1.01	4.52E-16	4.86E-15
CPNE5	2.83	4.53E-16	4.86E-15
EGFR	-1.15	4.53E-16	4.87E-15
APOL3	2.41	4.62E-16	4.97E-15
C8orf4	3.56	4.73E-16	5.08E-15
RP11-448A19.1	-2.14	4.82E-16	5.17E-15
SEPHS2	1.62	4.86E-16	5.22E-15
RPL29	1.26	4.91E-16	5.26E-15
MPZL1	1.01	4.92E-16	5.27E-15
RASAL2	-1.35	4.93E-16	5.28E-15
SUCNR1	-2.95	4.98E-16	5.34E-15
AEBP1	3.40	4.98E-16	5.34E-15
RRP9	1.37	5.02E-16	5.38E-15

SLC25A25	1.26	5.04E-16	5.39E-15
HIST1H4I	-2.03	5.04E-16	5.39E-15
GSTM4	1.55	5.09E-16	5.45E-15
EFCAB13	-2.30	5.20E-16	5.56E-15
ZUFSP	-1.00	5.37E-16	5.74E-15
NIPA1	-0.94	5.37E-16	5.74E-15
RASA1	-0.83	5.51E-16	5.89E-15
TRRAP	-1.08	5.53E-16	5.90E-15
EEF1A1P4	-5.34	5.60E-16	5.98E-15
SERINC2	2.35	5.64E-16	6.03E-15
WBSCR22	1.05	5.65E-16	6.03E-15
G20736	-1.81	5.69E-16	6.07E-15
ZNF586	-1.04	5.69E-16	6.07E-15
KMT2A	-1.14	5.73E-16	6.10E-15
ST6GALNAC1	4.28	5.73E-16	6.10E-15
ACAA1	1.66	5.80E-16	6.18E-15
SEMA4C	0.95	5.82E-16	6.19E-15
PDE2A	2.57	5.98E-16	6.37E-15
SF1	1.26	5.99E-16	6.38E-15
RRBP1	1.51	6.02E-16	6.41E-15
VGLL4	0.90	6.02E-16	6.41E-15
NR2F1	4.00	6.05E-16	6.44E-15
RP11-767N6.2	-3.09	6.11E-16	6.50E-15
HNRNPD	1.31	6.18E-16	6.56E-15
FUOM	2.05	6.25E-16	6.64E-15
ZNF726	-2.55	6.31E-16	6.70E-15
TTN-AS1	-2.38	6.31E-16	6.70E-15
CTA-363E19.2	-3.09	6.33E-16	6.71E-15
RP11-73M18.6	-4.18	6.33E-16	6.72E-15
ANKRD18A	-3.13	6.36E-16	6.75E-15
TBRG4	0.83	6.47E-16	6.86E-15
ERAL1	0.91	6.73E-16	7.13E-15
MYCBP2-AS1	-4.74	6.86E-16	7.27E-15
DHRS13	1.76	7.02E-16	7.44E-15
KDR	2.85	7.25E-16	7.67E-15
AC084082.3	-5.34	7.26E-16	7.68E-15
PTBP3	-1.23	7.40E-16	7.83E-15
RP11-9E17.1	-1.78	7.45E-16	7.88E-15
GAMT	1.94	7.47E-16	7.90E-15
TRIM60P18	-2.25	7.48E-16	7.91E-15
MYD88	1.65	7.52E-16	7.95E-15
ATP13A4	-1.80	7.54E-16	7.96E-15
CD14	4.29	7.61E-16	8.04E-15
RPS6KA6	-1.87	7.62E-16	8.05E-15
RGS14	1.26	7.67E-16	8.10E-15

PODXL	2.35	7.70E-16	8.12E-15
ELFN1	2.27	7.73E-16	8.15E-15
EVA1B	2.82	7.76E-16	8.18E-15
CTXN1	2.99	7.78E-16	8.20E-15
TYROBP	3.43	7.82E-16	8.23E-15
SEMA3D	-3.17	8.09E-16	8.52E-15
ZNF358	1.90	8.31E-16	8.74E-15
SCN1B	3.50	8.45E-16	8.89E-15
PURA	-1.13	8.54E-16	8.98E-15
UBE2H	0.78	8.75E-16	9.20E-15
KIAA1456	-1.84	8.84E-16	9.30E-15
CBFA2T3	1.89	8.86E-16	9.31E-15
PI4KB	0.64	9.08E-16	9.54E-15
EGR1	3.51	9.22E-16	9.68E-15
SMURF2P1	2.28	9.26E-16	9.72E-15
RELB	1.59	9.32E-16	9.78E-15
IQGAP1	-0.85	9.48E-16	9.95E-15
MGAT1	1.30	9.81E-16	1.03E-14
G41074	-3.83	9.81E-16	1.03E-14
ANKDD1B	-3.74	9.82E-16	1.03E-14
GPSM3	2.61	9.83E-16	1.03E-14
ISY1	1.06	9.91E-16	1.04E-14
SMAD5-AS1	-3.12	9.91E-16	1.04E-14
G6313	-2.93	9.97E-16	1.04E-14
ERGIC2	-0.93	1.00E-15	1.05E-14
CD82	1.26	1.01E-15	1.05E-14
PSMD13	0.92	1.03E-15	1.07E-14
USP15	-1.04	1.03E-15	1.07E-14
GCDH	1.13	1.04E-15	1.08E-14
RP11-164P12.4	-1.81	1.05E-15	1.10E-14
MBTD1	-1.16	1.06E-15	1.10E-14
PPFIBP1	-0.86	1.07E-15	1.12E-14
ZNF852	-1.74	1.08E-15	1.13E-14
LCE3D	5.45	1.09E-15	1.13E-14
ACADL	-2.24	1.09E-15	1.14E-14
FRMD3	2.17	1.09E-15	1.14E-14
SRA1	1.06	1.10E-15	1.15E-14
ZNF680	-1.41	1.10E-15	1.15E-14
KIAA0319L	0.84	1.11E-15	1.15E-14
SMG1P3	-2.46	1.11E-15	1.16E-14
SLC8B1	1.13	1.12E-15	1.17E-14
ZNRF1	1.07	1.12E-15	1.17E-14
ZNF678	-1.63	1.13E-15	1.17E-14
NUDC	1.12	1.13E-15	1.17E-14
EPHB2	3.08	1.13E-15	1.17E-14

HDAC4	-0.98	1.13E-15	1.18E-14
BAHCC1	1.68	1.14E-15	1.19E-14
NDUFS6	1.37	1.15E-15	1.19E-14
SAA1	6.06	1.15E-15	1.20E-14
INHBB	3.54	1.16E-15	1.21E-14
SACS	-1.42	1.18E-15	1.22E-14
GNA11	0.87	1.19E-15	1.23E-14
ALYREF	1.05	1.19E-15	1.23E-14
ZNF658	-1.51	1.20E-15	1.25E-14
KPNA4	-0.96	1.21E-15	1.25E-14
AC006126.4	4.51	1.22E-15	1.26E-14
CFI	2.79	1.23E-15	1.28E-14
ZNF714	-2.09	1.26E-15	1.30E-14
DPYSL4	2.90	1.26E-15	1.30E-14
PPP5C	0.81	1.27E-15	1.32E-14
ACKR1	2.62	1.29E-15	1.34E-14
ZNF445	-0.82	1.31E-15	1.35E-14
ZBTB22	0.99	1.33E-15	1.38E-14
MGAT3	2.16	1.36E-15	1.40E-14
ZNF470	-1.46	1.36E-15	1.40E-14
UBE2W	-1.08	1.37E-15	1.41E-14
ZNF250	-0.90	1.37E-15	1.41E-14
MT-CO2	2.16	1.37E-15	1.42E-14
AC124789.1	2.12	1.39E-15	1.43E-14
KATNAL1	-1.09	1.40E-15	1.45E-14
TMEM208	1.31	1.41E-15	1.46E-14
UBQLN4	1.13	1.42E-15	1.47E-14
ROMO1	1.44	1.43E-15	1.47E-14
CTD-3035K23.3	-4.43	1.44E-15	1.48E-14
ZNF181	-0.97	1.46E-15	1.50E-14
GNG11	2.18	1.46E-15	1.51E-14
RP11-64D22.1	-2.25	1.47E-15	1.51E-14
PIGQ	1.23	1.48E-15	1.52E-14
SCG2	5.47	1.48E-15	1.53E-14
RCHY1	-1.08	1.49E-15	1.54E-14
SEC14L2	1.86	1.50E-15	1.54E-14
TM4SF18	3.42	1.54E-15	1.58E-14
PRKCD	1.08	1.54E-15	1.59E-14
MAFG	0.90	1.55E-15	1.60E-14
CFAP44	-1.57	1.60E-15	1.64E-14
SEC61G	1.45	1.60E-15	1.64E-14
RP11-727A23.5	-2.60	1.60E-15	1.64E-14
NREP	2.00	1.61E-15	1.65E-14
RN7SKP255	-8.32	1.62E-15	1.66E-14
PXDC1	1.28	1.62E-15	1.66E-14

ANGPTL1	-3.03	1.69E-15	1.73E-14
RP11-191L9.4	-2.53	1.73E-15	1.77E-14
LSR	1.26	1.74E-15	1.78E-14
ZNF570	-1.06	1.77E-15	1.81E-14
UNK	0.77	1.80E-15	1.84E-14
MRPL46	-1.17	1.81E-15	1.85E-14
RP11-637N19.1	-8.68	1.82E-15	1.86E-14
P3H2	-1.85	1.82E-15	1.86E-14
ATF7IP2	-2.33	1.84E-15	1.88E-14
TTC3	-0.72	1.85E-15	1.88E-14
RFTN1	2.00	1.85E-15	1.89E-14
BORA	-1.37	1.85E-15	1.89E-14
KRT17	4.72	1.85E-15	1.89E-14
IL13RA1	1.74	1.89E-15	1.92E-14
VSIG8	-2.44	1.89E-15	1.93E-14
RP11-357N13.6	-5.28	1.91E-15	1.94E-14
RCN3	3.59	1.93E-15	1.96E-14
LRRC8A	0.97	1.94E-15	1.97E-14
PP2D1	-2.41	1.99E-15	2.03E-14
C1QC	4.38	1.99E-15	2.03E-14
ACIN1	0.80	1.99E-15	2.03E-14
RPL26L1	1.37	2.01E-15	2.04E-14
SLC4A3	3.26	2.01E-15	2.05E-14
ACOT7	1.21	2.01E-15	2.05E-14
PGBD4	-1.28	2.04E-15	2.08E-14
PA2G4P4	-4.09	2.05E-15	2.08E-14
CCDC167	1.59	2.08E-15	2.11E-14
SPPL2A	-0.99	2.09E-15	2.12E-14
SUFU	1.31	2.11E-15	2.14E-14
GSTO1	1.35	2.14E-15	2.17E-14
PDE4A	2.18	2.14E-15	2.17E-14
PPP1R15B	-0.88	2.14E-15	2.17E-14
RP11-420L9.5	2.49	2.15E-15	2.18E-14
SCARNA1	-9.49	2.17E-15	2.20E-14
SNORD3B-2	-5.09	2.17E-15	2.20E-14
IMPA2	1.39	2.19E-15	2.22E-14
SERPINI1	1.99	2.26E-15	2.29E-14
RP11-46D6.1	3.01	2.28E-15	2.31E-14
BRAT1	1.14	2.31E-15	2.34E-14
STK11IP	0.98	2.33E-15	2.35E-14
LHX4	-2.77	2.35E-15	2.38E-14
CDKN1A	1.43	2.37E-15	2.40E-14
snoU13	-2.09	2.39E-15	2.41E-14
CRTC1	1.88	2.39E-15	2.42E-14
MPP1	1.26	2.43E-15	2.45E-14

PLOD3	1.79	2.45E-15	2.48E-14
CPSF3L	0.93	2.46E-15	2.49E-14
KIF24	-1.27	2.46E-15	2.49E-14
G3793	-8.56	2.57E-15	2.60E-14
HHLA3	1.78	2.58E-15	2.60E-14
TRIM28	0.85	2.62E-15	2.64E-14
PCGF1	1.05	2.66E-15	2.68E-14
GEM	3.18	2.67E-15	2.69E-14
SUV39H2	-1.19	2.69E-15	2.71E-14
SNORA50	-9.45	2.73E-15	2.74E-14
ITPR2	-1.68	2.74E-15	2.75E-14
BLOC1S3	1.56	2.74E-15	2.76E-14
TMC8	2.50	2.78E-15	2.80E-14
VAT1	1.04	2.80E-15	2.82E-14
THAP3	0.98	2.88E-15	2.90E-14
TPM3	1.01	2.89E-15	2.90E-14
RN7SL5P	-8.25	2.90E-15	2.92E-14
NRGN	3.90	2.93E-15	2.94E-14
TOP1	0.98	2.96E-15	2.97E-14
CDK16	0.78	2.96E-15	2.97E-14
FAM133CP	6.01	2.97E-15	2.97E-14
THOC3	1.70	2.99E-15	2.99E-14
EXOSC5	1.49	3.00E-15	3.01E-14
SPOCD1	5.39	3.00E-15	3.01E-14
ZNF566	-1.18	3.02E-15	3.02E-14
SLC25A51	-0.82	3.02E-15	3.03E-14
GCFC2	-1.03	3.03E-15	3.03E-14
ZNF337-AS1	-2.16	3.08E-15	3.08E-14
LPP	-1.06	3.10E-15	3.10E-14
PCBD1	1.49	3.10E-15	3.10E-14
TOR4A	2.82	3.14E-15	3.14E-14
P2RY4	-3.88	3.17E-15	3.17E-14
PAPOLG	-0.93	3.17E-15	3.17E-14
EPHA2	1.19	3.17E-15	3.17E-14
MAOB	2.11	3.19E-15	3.18E-14
EBF4	2.16	3.19E-15	3.19E-14
TMEM41B	-1.22	3.19E-15	3.19E-14
MALT1	-1.07	3.27E-15	3.26E-14
BET1L	1.20	3.28E-15	3.27E-14
DALRD3	0.99	3.29E-15	3.28E-14
EIF2B2	0.82	3.29E-15	3.28E-14
ZNF749	-1.39	3.33E-15	3.31E-14
EFR3A	-1.08	3.33E-15	3.32E-14
DSG3	1.50	3.39E-15	3.37E-14
LRP4	-1.59	3.49E-15	3.47E-14

MRPS2	0.89	3.52E-15	3.50E-14
ARHGDIB	1.92	3.56E-15	3.54E-14
CNTRL	-1.08	3.57E-15	3.55E-14
TMTC3	-1.38	3.59E-15	3.57E-14
MAN2A1	-1.08	3.60E-15	3.58E-14
AC092835.2	-2.34	3.60E-15	3.58E-14
SAMD10	1.34	3.62E-15	3.60E-14
RAMP1	1.97	3.63E-15	3.61E-14
DNAJC24	-0.79	3.66E-15	3.64E-14
RPL10	1.04	3.69E-15	3.66E-14
FAM221A	-2.51	3.69E-15	3.66E-14
ZFP62	-0.98	3.71E-15	3.68E-14
CCDC66	-1.24	3.71E-15	3.68E-14
RPLP0P2	4.86	3.71E-15	3.68E-14
NT5C3B	1.48	3.75E-15	3.72E-14
C2orf81	2.55	3.76E-15	3.72E-14
LINC00346	3.25	3.80E-15	3.76E-14
TGM1	1.88	3.80E-15	3.77E-14
SPATA2L	1.23	3.81E-15	3.77E-14
GJB4	-2.20	3.81E-15	3.77E-14
SNHG16	-0.86	3.85E-15	3.80E-14
COL13A1	2.28	3.88E-15	3.84E-14
PTS	0.84	3.92E-15	3.87E-14
DGCR14	0.93	4.00E-15	3.96E-14
ZNF197	-0.70	4.03E-15	3.98E-14
MT1G	3.15	4.04E-15	3.99E-14
ALCAM	-1.86	4.06E-15	4.01E-14
ABI3	1.95	4.09E-15	4.03E-14
AP2A2	0.91	4.10E-15	4.04E-14
ZNF273	-2.07	4.20E-15	4.14E-14
PKN2	-0.78	4.23E-15	4.17E-14
GCSH	1.78	4.23E-15	4.17E-14
BAIAP2-AS1	1.76	4.29E-15	4.22E-14
G12854	5.04	4.29E-15	4.23E-14
LRP5	0.98	4.36E-15	4.29E-14
ZDHHC12	1.21	4.39E-15	4.32E-14
TPRG1	-1.49	4.40E-15	4.33E-14
PINK1	0.84	4.41E-15	4.34E-14
IQCJ-SCHIP1	2.50	4.44E-15	4.36E-14
NCOA5	0.96	4.47E-15	4.40E-14
TRAF7	0.91	4.51E-15	4.44E-14
FBXW9	1.30	4.52E-15	4.45E-14
APEX2	0.81	4.57E-15	4.49E-14
SDC3	2.12	4.57E-15	4.49E-14
CECR5	0.95	4.60E-15	4.52E-14

SNAP47	0.74	4.63E-15	4.55E-14
FAM167B	4.94	4.63E-15	4.55E-14
NCKAP1	-0.99	4.65E-15	4.56E-14
DLEU2	-2.18	4.72E-15	4.63E-14
C10orf128	2.28	4.74E-15	4.64E-14
BAG4	-0.89	4.83E-15	4.73E-14
TMEM203	0.90	4.84E-15	4.74E-14
C1QTNF7	-3.00	4.85E-15	4.75E-14
RNU6ATAC	-8.14	4.85E-15	4.75E-14
TDRD6	-2.46	4.90E-15	4.80E-14
RP5-1085F17.4	-4.07	4.92E-15	4.81E-14
AC005154.6	-1.85	4.93E-15	4.83E-14
ZKSCAN1	-0.74	5.03E-15	4.92E-14
CLIP3	3.01	5.09E-15	4.97E-14
USP25	-0.74	5.13E-15	5.01E-14
EIF4E2	0.84	5.16E-15	5.04E-14
MRPL16	0.98	5.18E-15	5.06E-14
SPI1	2.36	5.27E-15	5.14E-14
PEX5	0.77	5.27E-15	5.14E-14
HIVEP1	-1.20	5.29E-15	5.17E-14
HSPB6	4.07	5.31E-15	5.18E-14
TSPYL2	1.30	5.32E-15	5.19E-14
TMEM184B	1.41	5.38E-15	5.24E-14
TMEM186	1.04	5.46E-15	5.32E-14
SNORA38B	-8.06	5.48E-15	5.33E-14
AP2A1	0.94	5.52E-15	5.37E-14
TAC1	-5.03	5.54E-15	5.39E-14
MSRA	1.23	5.63E-15	5.48E-14
LINC01605	3.45	5.63E-15	5.48E-14
SNRPN	-2.00	5.64E-15	5.48E-14
RP11-504P24.9	-3.56	5.66E-15	5.51E-14
FSTL3	2.26	5.68E-15	5.53E-14
KRT6B	5.71	5.71E-15	5.55E-14
DNTTIP1	1.14	5.72E-15	5.56E-14
REXO4	1.05	5.75E-15	5.58E-14
RARA	1.41	5.75E-15	5.58E-14
XKR8	1.34	5.77E-15	5.60E-14
ZNF268	-1.24	5.83E-15	5.65E-14
WARS	0.96	5.83E-15	5.66E-14
NPM3	1.51	5.84E-15	5.67E-14
DNAJC8	0.98	5.89E-15	5.71E-14
DNAJC17	0.89	5.97E-15	5.79E-14
MTMR9	-0.62	5.99E-15	5.80E-14
GREB1L	-3.36	6.02E-15	5.83E-14
LAIR1	4.01	6.04E-15	5.85E-14

KDM5A	-0.97	6.10E-15	5.91E-14
GIGYF2	-0.77	6.11E-15	5.91E-14
RILPL1	1.28	6.12E-15	5.92E-14
CHMP1A	1.17	6.12E-15	5.92E-14
XAB2	1.15	6.14E-15	5.94E-14
RSPO4	4.49	6.14E-15	5.94E-14
PCBP3	3.23	6.18E-15	5.97E-14
ATXN7	-0.96	6.19E-15	5.98E-14
PIK3C3	-0.85	6.26E-15	6.04E-14
ZNF180	-1.10	6.27E-15	6.05E-14
THEMIS2	2.63	6.29E-15	6.07E-14
PRR7-AS1	-3.01	6.31E-15	6.09E-14
TRIM8	1.37	6.33E-15	6.11E-14
RBSN	-0.84	6.44E-15	6.21E-14
TBXA2R	4.98	6.50E-15	6.26E-14
ST7-OT4	-5.80	6.52E-15	6.29E-14
BRCA1	-1.19	6.55E-15	6.31E-14
NPTX1	-5.77	6.57E-15	6.33E-14
ZNF292	-1.23	6.66E-15	6.41E-14
NELFA	0.87	6.77E-15	6.52E-14
GABPB2	-1.08	6.84E-15	6.58E-14
PLTP	2.00	6.86E-15	6.60E-14
SURF6	1.06	6.87E-15	6.60E-14
DVL2	0.78	6.90E-15	6.63E-14
CH17-360D5.3	-2.31	7.01E-15	6.74E-14
RIN1	1.13	7.09E-15	6.81E-14
CHERP	1.41	7.17E-15	6.89E-14
RAC3	1.68	7.26E-15	6.97E-14
HEY2	2.74	7.39E-15	7.09E-14
FAM210B	1.06	7.40E-15	7.10E-14
SNRPD2	1.31	7.44E-15	7.13E-14
RP11-206L10.8	-2.72	7.50E-15	7.19E-14
THBS1	3.55	7.57E-15	7.25E-14
ECI1	1.29	7.59E-15	7.27E-14
RP11-182N22.9	-4.21	7.61E-15	7.29E-14
KRT6A	5.68	7.69E-15	7.37E-14
RP11-701H24.4	-3.66	7.74E-15	7.41E-14
SETD1A	1.68	7.80E-15	7.47E-14
SH2B1	1.45	7.83E-15	7.50E-14
PYCR1	2.52	7.87E-15	7.53E-14
OTUB1	1.14	7.94E-15	7.59E-14
ITPR3	-1.38	8.02E-15	7.67E-14
ERBB4	-3.55	8.19E-15	7.83E-14
MEA1	1.23	8.23E-15	7.86E-14
RPS3AP34	-4.63	8.37E-15	7.99E-14

PNKP	1.36	8.51E-15	8.13E-14
SPAST	-1.06	8.53E-15	8.14E-14
MBNL1	-0.91	8.60E-15	8.21E-14
WDR54	1.85	8.62E-15	8.22E-14
EPG5	-1.06	8.66E-15	8.26E-14
EHMT2	1.13	8.69E-15	8.29E-14
MRPL22	0.85	8.70E-15	8.29E-14
GTF3C4	-1.02	8.82E-15	8.41E-14
LIPK	-1.92	8.93E-15	8.50E-14
DGCR12	-3.22	9.01E-15	8.58E-14
HOXC8	2.25	9.09E-15	8.65E-14
SOD3	3.07	9.14E-15	8.70E-14
NKD1	-1.67	9.15E-15	8.71E-14
TTF2	-1.14	9.17E-15	8.72E-14
RASL12	2.70	9.22E-15	8.76E-14
C12orf66	-1.30	9.26E-15	8.80E-14
GNPTAB	-0.89	9.26E-15	8.80E-14
OTUD3	-0.97	9.39E-15	8.92E-14
MON1B	0.56	9.42E-15	8.95E-14
ARHGEF2	1.73	9.64E-15	9.16E-14
FCER1A	-2.21	9.79E-15	9.29E-14
RP5-894A10.6	-2.21	9.79E-15	9.29E-14
PXMP2	-2.40	9.82E-15	9.32E-14
NRXN3	-2.04	9.87E-15	9.36E-14
COL5A2	3.06	9.93E-15	9.41E-14
FAM91A1	-0.85	1.01E-14	9.57E-14
RILP	1.63	1.01E-14	9.61E-14
CSRP1	1.47	1.04E-14	9.84E-14
ZNF585A	-1.08	1.04E-14	9.88E-14
ZBTB38	-0.89	1.05E-14	9.94E-14
CDH26	2.51	1.05E-14	9.95E-14
RHBDF2	1.34	1.05E-14	9.95E-14
ITM2C	1.98	1.07E-14	1.02E-13
TALDO1	1.07	1.08E-14	1.02E-13
ISCU	0.79	1.08E-14	1.02E-13
HLA-E	1.28	1.10E-14	1.04E-13
GBP6	3.01	1.10E-14	1.04E-13
RP5-1074L1.4	-2.45	1.12E-14	1.06E-13
ZNF611	-1.01	1.13E-14	1.06E-13
LINC00235	-2.18	1.15E-14	1.08E-13
SLC29A3	2.16	1.16E-14	1.09E-13
RP11-288K12.1	-4.10	1.16E-14	1.10E-13
PGM1	1.27	1.18E-14	1.11E-13
PCOLCE	3.68	1.19E-14	1.12E-13
SKIL	-1.28	1.19E-14	1.12E-13

FAM110C	1.37	1.19E-14	1.12E-13
LL22NC03-2H8.5	5.39	1.19E-14	1.12E-13
RP11-71H17.8	-4.68	1.20E-14	1.13E-13
SNRPGP4	-4.91	1.21E-14	1.14E-13
FN3K	2.42	1.21E-14	1.14E-13
RP11-135N5.3	-6.22	1.21E-14	1.14E-13
CADPS	-3.36	1.22E-14	1.15E-13
ELF2	-0.58	1.23E-14	1.15E-13
SERPINB3	3.42	1.23E-14	1.15E-13
FAM196A	-3.31	1.25E-14	1.17E-13
ARF3	0.77	1.26E-14	1.18E-13
ZNF383	-0.77	1.26E-14	1.19E-13
ATP6V0B	1.17	1.27E-14	1.19E-13
ERVK3-1	-2.02	1.29E-14	1.21E-13
MPHOSPH9	-1.05	1.31E-14	1.23E-13
RP11-395A13.2	1.29	1.34E-14	1.25E-13
RP11-481C4.2	-2.11	1.34E-14	1.26E-13
CISD3	1.42	1.35E-14	1.26E-13
RP11-11N7.5	-2.89	1.35E-14	1.26E-13
NDUFC2	-1.37	1.36E-14	1.28E-13
EXOC5	-0.98	1.38E-14	1.29E-13
RP11-474P2.6	-4.21	1.39E-14	1.31E-13
EXOSC3	-0.95	1.41E-14	1.32E-13
PRRC2A	1.11	1.41E-14	1.32E-13
MIR22HG	1.27	1.44E-14	1.34E-13
CSF1	2.05	1.44E-14	1.34E-13
ASB11	-4.16	1.47E-14	1.37E-13
SLC19A2	-1.38	1.50E-14	1.40E-13
CDH24	1.67	1.50E-14	1.40E-13
APCDD1L-AS1	-3.02	1.51E-14	1.41E-13
CTBP1-AS2	1.10	1.53E-14	1.43E-13
AKAP9	-1.06	1.54E-14	1.43E-13
KLF16	1.65	1.54E-14	1.44E-13
BTBD18	-4.00	1.55E-14	1.44E-13
LINC01091	-3.14	1.55E-14	1.44E-13
CHSY3	2.66	1.56E-14	1.45E-13
DNAJB5	2.21	1.57E-14	1.46E-13
APOLD1	2.03	1.57E-14	1.47E-13
C6orf15	3.21	1.63E-14	1.52E-13
CTC-321K16.4	-7.32	1.70E-14	1.58E-13
LGALSL	-1.39	1.72E-14	1.60E-13
RP11-107E5.3	-5.03	1.72E-14	1.60E-13
TXNDC16	-1.28	1.72E-14	1.60E-13
AWAT2	-10.92	1.74E-14	1.62E-13
SNHG20	-3.29	1.74E-14	1.62E-13

LRCH1	-1.02	1.75E-14	1.63E-13
GNG12	-1.26	1.76E-14	1.64E-13
CNTNAP1	2.59	1.79E-14	1.66E-13
CASC5	-1.73	1.79E-14	1.66E-13
RGS12	1.05	1.79E-14	1.66E-13
UBE2FP3	-2.81	1.79E-14	1.66E-13
IGF1	4.30	1.79E-14	1.66E-13
ANKRD17	-0.64	1.79E-14	1.66E-13
TIMM50	0.87	1.79E-14	1.66E-13
DCAF15	1.20	1.80E-14	1.67E-13
AC010976.2	-2.77	1.81E-14	1.68E-13
TMEM51	1.45	1.84E-14	1.70E-13
PSMD4	1.01	1.84E-14	1.70E-13
NUDT18	1.44	1.85E-14	1.71E-13
CXCL3	5.61	1.86E-14	1.72E-13
ANGPTL4	3.20	1.86E-14	1.72E-13
SSU72	1.02	1.87E-14	1.73E-13
DIEXF	-0.84	1.89E-14	1.75E-13
ACE	2.97	1.92E-14	1.77E-13
IQCA1	4.38	1.93E-14	1.79E-13
NXF1	1.32	1.95E-14	1.80E-13
GCNT7	-4.01	1.97E-14	1.82E-13
SLC25A1	1.41	2.01E-14	1.85E-13
BLOC1S1	-1.47	2.05E-14	1.89E-13
TRAPPC10	-0.68	2.06E-14	1.90E-13
NT5C	1.07	2.07E-14	1.91E-13
PSMC3	1.08	2.07E-14	1.91E-13
FOXP4	2.12	2.07E-14	1.91E-13
NF2	-0.78	2.08E-14	1.92E-13
RPL41P1	1.89	2.11E-14	1.95E-13
HEPH	2.42	2.12E-14	1.95E-13
ZNF672	0.74	2.13E-14	1.96E-13
ZNF432	-0.88	2.13E-14	1.96E-13
SECISBP2L	-0.98	2.16E-14	1.99E-13
SPN	-1.52	2.18E-14	2.01E-13
BMPR2	-0.88	2.24E-14	2.06E-13
MRPS11	0.69	2.25E-14	2.07E-13
CTD-2260A17.1	-3.10	2.25E-14	2.07E-13
RNU12	-5.52	2.27E-14	2.09E-13
LMOD1	2.80	2.27E-14	2.09E-13
FCGR1A	5.31	2.32E-14	2.13E-13
NAIF1	0.90	2.32E-14	2.13E-13
SRRT	1.41	2.33E-14	2.14E-13
MRPL17	0.96	2.41E-14	2.21E-13
MTHFD1P1	-5.56	2.45E-14	2.25E-13

PCDHGB8P	-3.37	2.46E-14	2.26E-13
FCGRT	1.63	2.47E-14	2.26E-13
WBP5	1.75	2.49E-14	2.28E-13
G32150	-3.61	2.51E-14	2.30E-13
FANCC	-1.47	2.53E-14	2.32E-13
ZC3H18	1.17	2.58E-14	2.36E-13
NRP2	2.63	2.59E-14	2.37E-13
NOS3	2.49	2.61E-14	2.39E-13
TBC1D31	-1.12	2.69E-14	2.46E-13
SNORA40	-2.93	2.69E-14	2.46E-13
KLK14	2.68	2.70E-14	2.47E-13
OGN	-3.69	2.72E-14	2.48E-13
NUP153	-0.75	2.73E-14	2.50E-13
LRRC8C	-1.45	2.74E-14	2.51E-13
GPD2	-1.04	2.76E-14	2.52E-13
LMBR1	-0.78	2.77E-14	2.53E-13
G26344	-3.76	2.77E-14	2.53E-13
ZNF492	-2.63	2.78E-14	2.54E-13
LURAP1L	1.30	2.79E-14	2.54E-13
NDUFAF2	1.20	2.83E-14	2.58E-13
PBXIP1	0.84	2.86E-14	2.61E-13
EXOSC4	1.13	2.95E-14	2.69E-13
PAG1	-1.04	2.96E-14	2.70E-13
USP11	1.11	2.97E-14	2.71E-13
RENBP	2.45	3.01E-14	2.74E-13
RP11-180M15.7	-2.44	3.01E-14	2.74E-13
FLG2	-2.41	3.02E-14	2.75E-13
FGL2	-2.97	3.04E-14	2.77E-13
S100A10	1.32	3.09E-14	2.81E-13
SDSL	3.11	3.14E-14	2.86E-13
PSMA1	-1.21	3.14E-14	2.86E-13
RP11-823P9.3	-3.76	3.15E-14	2.87E-13
MRPS26	1.05	3.18E-14	2.89E-13
AGO4	-0.87	3.20E-14	2.91E-13
KB-1410C5.3	-4.63	3.23E-14	2.93E-13
SOCS6	-0.94	3.28E-14	2.98E-13
SLC39A10	-1.31	3.32E-14	3.02E-13
PYCRL	1.19	3.34E-14	3.03E-13
RNF217	-1.28	3.37E-14	3.06E-13
CIC	1.43	3.39E-14	3.07E-13
GTF3C3	-0.84	3.39E-14	3.08E-13
CREBRF	-1.14	3.40E-14	3.08E-13
RP11-423P10.2	-2.48	3.42E-14	3.10E-13
GINS3	1.24	3.47E-14	3.14E-13
MEGF9	-1.18	3.51E-14	3.18E-13

BORCS6	1.29	3.52E-14	3.19E-13
LSM4	1.00	3.52E-14	3.19E-13
DTD1	1.04	3.52E-14	3.19E-13
TPST2	1.06	3.54E-14	3.21E-13
VPS8	-1.00	3.64E-14	3.30E-13
PUF60	0.80	3.67E-14	3.32E-13
PM20D1	-7.83	3.67E-14	3.32E-13
G31357	-4.89	3.71E-14	3.35E-13
CDH4	-3.22	3.76E-14	3.40E-13
MINOS1	-1.05	3.78E-14	3.42E-13
MAGI1-IT1	-3.49	3.81E-14	3.44E-13
ITGA5	2.43	3.83E-14	3.46E-13
ITGB4	1.09	3.94E-14	3.56E-13
SERPINF2	1.56	3.96E-14	3.57E-13
VPS25	0.96	3.97E-14	3.58E-13
WWP2	0.72	3.97E-14	3.58E-13
RPL29P14	-3.94	4.09E-14	3.69E-13
ZNF768	1.21	4.13E-14	3.72E-13
CTAGE7P	-3.04	4.15E-14	3.74E-13
ARSA	1.57	4.16E-14	3.74E-13
SNORA76	-8.25	4.16E-14	3.74E-13
HACD2	-1.20	4.17E-14	3.75E-13
POLR2L	1.36	4.22E-14	3.80E-13
RABEP2	1.19	4.24E-14	3.82E-13
BRD9	1.00	4.31E-14	3.88E-13
SPR	1.69	4.32E-14	3.89E-13
GPX4	1.57	4.33E-14	3.90E-13
VOPP1	1.68	4.38E-14	3.94E-13
TERF2IP	0.78	4.39E-14	3.95E-13
G25746	-3.95	4.43E-14	3.98E-13
HPS1	0.89	4.49E-14	4.03E-13
HIC1	3.22	4.51E-14	4.05E-13
LGALS3BP	2.17	4.56E-14	4.09E-13
TECR	1.21	4.56E-14	4.09E-13
ZNF771	1.43	4.59E-14	4.12E-13
ARL2	1.16	4.63E-14	4.15E-13
LINC00519	3.18	4.66E-14	4.18E-13
FAM53B	0.74	4.74E-14	4.24E-13
RP5-1112D6.4	-1.96	4.76E-14	4.27E-13
FTH1P20	4.80	4.79E-14	4.29E-13
ALDH3A2	-1.69	4.80E-14	4.30E-13
SLC10A3	1.03	4.87E-14	4.36E-13
RP11-53O19.3	-1.21	4.89E-14	4.38E-13
EFNA1	1.15	4.94E-14	4.42E-13
ZNF112	-1.19	4.97E-14	4.44E-13

CNOT1	-0.82	5.02E-14	4.49E-13
TGFB3	2.75	5.11E-14	4.57E-13
MTX1	1.06	5.14E-14	4.59E-13
RNU6-2	-5.95	5.16E-14	4.61E-13
MPP6	-1.35	5.16E-14	4.61E-13
GJD3	2.61	5.16E-14	4.61E-13
FOXL1	4.62	5.17E-14	4.62E-13
CCSER2	-1.02	5.18E-14	4.63E-13
IGSF11	-2.09	5.20E-14	4.64E-13
MMP1	10.16	5.25E-14	4.69E-13
SNORA74B	-8.25	5.31E-14	4.74E-13
MIB2	1.25	5.32E-14	4.74E-13
PYGO2	0.81	5.39E-14	4.80E-13
SNORD8	-8.59	5.47E-14	4.87E-13
EIF4A3	1.10	5.50E-14	4.90E-13
CBX4	1.16	5.50E-14	4.90E-13
REM1	3.35	5.51E-14	4.91E-13
DNAJC2	0.78	5.53E-14	4.92E-13
AIFM1	0.85	5.55E-14	4.94E-13
BMP6	2.93	5.57E-14	4.95E-13
SERPINA12	-2.40	5.63E-14	5.01E-13
GEN1	-1.13	5.66E-14	5.03E-13
CD109	-0.99	5.67E-14	5.04E-13
SESN2	1.37	5.68E-14	5.05E-13
Y_RNA	-2.03	5.72E-14	5.08E-13
BNIP2	-1.08	5.73E-14	5.09E-13
RP11-474L11.5	-8.06	5.74E-14	5.10E-13
ARPC5L	1.08	5.81E-14	5.15E-13
VPS37C	0.92	5.86E-14	5.20E-13
WDR35	-1.02	5.93E-14	5.26E-13
HLA-DMA	2.25	5.94E-14	5.26E-13
AC087294.2	-3.95	5.96E-14	5.28E-13
DUSP6	1.74	5.98E-14	5.30E-13
WDFY2	-1.28	6.05E-14	5.36E-13
ZNF668	1.14	6.09E-14	5.39E-13
C5	-1.53	6.15E-14	5.45E-13
DCTD	0.95	6.22E-14	5.50E-13
ABCA12	-1.57	6.28E-14	5.56E-13
RP11-666F17.1	-4.16	6.42E-14	5.68E-13
C4orf3	1.31	6.42E-14	5.68E-13
CTD-2547E10.3	-3.46	6.46E-14	5.71E-13
FSD2	-3.58	6.47E-14	5.72E-13
CTD-2587M2.1	-4.03	6.56E-14	5.80E-13
HMHA1	1.61	6.60E-14	5.84E-13
SLC30A7	-0.92	6.64E-14	5.86E-13

LGALS8	-0.75	6.64E-14	5.86E-13
RBBP5	-0.83	6.71E-14	5.92E-13
MYNN	-0.89	6.77E-14	5.98E-13
OSBPL3	-0.86	6.83E-14	6.03E-13
LMO2	2.04	6.88E-14	6.07E-13
LDHA	1.30	6.88E-14	6.07E-13
NFATC3	-0.61	6.99E-14	6.16E-13
MIA3	-0.77	7.03E-14	6.19E-13
ANKRD44	-1.20	7.06E-14	6.22E-13
AKR1B15	4.74	7.20E-14	6.34E-13
ZBTB39	-0.82	7.21E-14	6.35E-13
FAM127C	0.98	7.21E-14	6.35E-13
MTMR10	-0.78	7.29E-14	6.42E-13
PRKD2	1.20	7.40E-14	6.52E-13
CIRBP	0.98	7.41E-14	6.52E-13
RP11-245J9.5	-3.27	7.49E-14	6.59E-13
SUGCT	2.82	7.49E-14	6.59E-13
CCDC8	2.69	7.65E-14	6.73E-13
FASTKD2	-0.86	7.68E-14	6.75E-13
CDIP1	0.81	7.69E-14	6.76E-13
HAUS6	-0.75	7.76E-14	6.81E-13
ZNF649	-1.02	7.79E-14	6.84E-13
MAP4K5	-0.81	7.83E-14	6.88E-13
AKAP8	0.66	7.86E-14	6.90E-13
GPRC5C	1.66	7.98E-14	7.00E-13
LYL1	2.87	8.01E-14	7.03E-13
GNRH1	-2.33	8.04E-14	7.05E-13
CCM2L	3.33	8.04E-14	7.05E-13
LTBP2	2.56	8.13E-14	7.12E-13
BRMS1	0.98	8.16E-14	7.15E-13
TMEM50A	1.01	8.19E-14	7.18E-13
ETNK1	-1.08	8.22E-14	7.19E-13
OXLD1	1.26	8.23E-14	7.21E-13
ZMYND15	2.29	8.25E-14	7.22E-13
SLC3A1	-4.01	8.29E-14	7.25E-13
TTLL12	1.30	8.33E-14	7.28E-13
NT5DC2	1.17	8.38E-14	7.32E-13
RP11-363N22.3	-3.99	8.65E-14	7.56E-13
SNX11	0.91	8.65E-14	7.56E-13
RP11-734K2.4	-2.01	8.80E-14	7.69E-13
PLPP7	3.40	8.86E-14	7.74E-13
RP13-39P12.3	-3.39	8.90E-14	7.77E-13
UIMC1	0.64	8.94E-14	7.80E-13
CYP4Z2P	-2.99	9.12E-14	7.96E-13
CACNA2D1	-1.87	9.14E-14	7.97E-13

MAMDC2	-2.62	9.18E-14	8.01E-13
TMCO3	0.84	9.42E-14	8.21E-13
RP11-47A8.5	1.48	9.45E-14	8.24E-13
C9orf72	-1.04	9.50E-14	8.28E-13
SLC2A8	1.17	9.52E-14	8.30E-13
ARHGAP31	-0.79	9.53E-14	8.30E-13
CD24P4	1.93	9.68E-14	8.43E-13
CC2D1A	1.15	9.89E-14	8.61E-13
MASP2	-2.76	9.90E-14	8.62E-13
PRMT9	-0.80	9.93E-14	8.64E-13
EMB	-1.86	9.95E-14	8.65E-13
DHX58	1.27	9.96E-14	8.66E-13
GRK6	1.00	1.00E-13	8.70E-13
ADAMTS12	3.83	1.00E-13	8.72E-13
TCF20	-0.70	1.01E-13	8.75E-13
TPD52L1	1.22	1.01E-13	8.79E-13
SPINK6	6.49	1.02E-13	8.89E-13
IMPDH1	1.46	1.03E-13	8.93E-13
GLMN	-0.91	1.04E-13	9.04E-13
EMID1	3.06	1.05E-13	9.07E-13
CACNA1A	3.10	1.06E-13	9.16E-13
RP1-68D18.2	-3.27	1.06E-13	9.17E-13
AP000350.5	-9.28	1.06E-13	9.20E-13
TIAM1	-1.32	1.07E-13	9.25E-13
TRIM36	-2.17	1.07E-13	9.25E-13
RP11-65I12.1	-4.51	1.07E-13	9.28E-13
KIAA0368	-0.54	1.09E-13	9.43E-13
AL109761.5	-3.92	1.09E-13	9.43E-13
TNS2	2.06	1.09E-13	9.44E-13
SNORA5A	-5.07	1.09E-13	9.45E-13
FAAP24	1.68	1.09E-13	9.45E-13
AC010468.1	-2.82	1.10E-13	9.48E-13
RP11-526D8.11	-2.17	1.10E-13	9.48E-13
ZDHHC11B	-3.45	1.11E-13	9.61E-13
CBLL1	-0.90	1.12E-13	9.64E-13
GMIP	1.13	1.13E-13	9.76E-13
RPP25L	1.39	1.14E-13	9.84E-13
EHD4	1.28	1.14E-13	9.86E-13
NTMT1	1.10	1.14E-13	9.87E-13
GIMAP6	2.34	1.14E-13	9.88E-13
CNTF	-3.06	1.15E-13	9.96E-13
HLX	2.41	1.17E-13	1.01E-12
B4GALNT2	-4.58	1.17E-13	1.01E-12
PDE12	-0.86	1.17E-13	1.01E-12
SLC25A22	1.32	1.18E-13	1.02E-12

RP11-539I5.1	-1.55	1.20E-13	1.03E-12
G30492	-2.25	1.20E-13	1.03E-12
METTL15P1	-3.22	1.20E-13	1.03E-12
RP11-685B24.1	-8.02	1.22E-13	1.05E-12
ZBTB1	-0.77	1.22E-13	1.05E-12
RPL3	1.06	1.22E-13	1.05E-12
ZMYND19	1.02	1.25E-13	1.07E-12
SLC38A9	-1.04	1.25E-13	1.08E-12
RP11-56B16.2	-2.74	1.26E-13	1.08E-12
HAGLR	2.97	1.26E-13	1.08E-12
PIAS1	-0.78	1.27E-13	1.09E-12
SRPR	0.85	1.27E-13	1.09E-12
AC073052.1	-3.17	1.30E-13	1.12E-12
C6orf226	1.50	1.32E-13	1.13E-12
RP1-197B17.3	-2.58	1.32E-13	1.13E-12
IKBKG	1.22	1.34E-13	1.15E-12
CTD-2336O2.1	1.28	1.34E-13	1.15E-12
PPP4R3B	-0.85	1.35E-13	1.16E-12
FNDC1	5.27	1.36E-13	1.16E-12
ANKRD13D	1.44	1.36E-13	1.16E-12
GPR22	-4.83	1.37E-13	1.18E-12
RCC1	1.36	1.37E-13	1.18E-12
MCM7	0.80	1.37E-13	1.18E-12
NAA38	1.09	1.38E-13	1.18E-12
FAM162B	4.09	1.39E-13	1.19E-12
TBC1D4	-1.01	1.40E-13	1.19E-12
RP9P	1.15	1.40E-13	1.20E-12
RNF25	0.90	1.40E-13	1.20E-12
ROM1	1.51	1.41E-13	1.21E-12
SP110	1.23	1.41E-13	1.21E-12
ZNF175	-0.84	1.42E-13	1.21E-12
RP11-175K6.2	3.31	1.44E-13	1.23E-12
RANBP10	1.06	1.46E-13	1.25E-12
ECSCR	2.60	1.46E-13	1.25E-12
RP11-630A13.4	-2.28	1.46E-13	1.25E-12
ACBD5	-1.10	1.47E-13	1.26E-12
RP11-707A18.1	-4.75	1.48E-13	1.27E-12
RP11-342K2.1	-2.17	1.49E-13	1.27E-12
SOX13	2.33	1.49E-13	1.27E-12
ELMO3	1.30	1.51E-13	1.29E-12
CLASP1	-0.80	1.52E-13	1.30E-12
IDUA	2.13	1.53E-13	1.30E-12
ACBD6	0.66	1.54E-13	1.31E-12
MFSD3	1.58	1.54E-13	1.31E-12
SNORA47	-8.03	1.56E-13	1.33E-12

CYLD	-0.81	1.57E-13	1.33E-12
FKBP10	3.17	1.59E-13	1.35E-12
EN1	1.85	1.61E-13	1.37E-12
KB-318B8.7	-3.39	1.63E-13	1.39E-12
RPS2	1.16	1.65E-13	1.40E-12
ERGIC3	0.97	1.66E-13	1.41E-12
POU5F2	-4.14	1.66E-13	1.41E-12
WDR24	1.12	1.68E-13	1.43E-12
PLEKHG3	1.13	1.68E-13	1.43E-12
MESDC2	0.70	1.69E-13	1.43E-12
TRPC4	4.63	1.70E-13	1.44E-12
MLLT6	0.81	1.70E-13	1.44E-12
SNORD46	-5.60	1.70E-13	1.44E-12
FMNL3	2.04	1.71E-13	1.45E-12
ZNF622	1.03	1.72E-13	1.46E-12
MTERF2	-1.62	1.72E-13	1.46E-12
KIAA2013	0.97	1.73E-13	1.47E-12
SMIM12	0.80	1.74E-13	1.48E-12
CRHR1-IT1	-1.42	1.75E-13	1.49E-12
KIAA0391	-0.99	1.75E-13	1.49E-12
CD7	3.61	1.77E-13	1.50E-12
RN7SKP116	-3.17	1.78E-13	1.51E-12
FES	1.97	1.79E-13	1.51E-12
NFATC4	2.38	1.79E-13	1.51E-12
CTU2	1.24	1.80E-13	1.52E-12
PSD	1.90	1.80E-13	1.52E-12
NPDC1	1.72	1.80E-13	1.52E-12
CLCA4	-2.47	1.82E-13	1.54E-12
METTL10	-1.18	1.85E-13	1.56E-12
VPS72	0.92	1.85E-13	1.56E-12
ANKS1B	-2.06	1.86E-13	1.57E-12
CFAP70	-2.24	1.87E-13	1.58E-12
SMOX	2.42	1.87E-13	1.58E-12
CEPT1	-0.85	1.88E-13	1.58E-12
EVA1A	2.76	1.88E-13	1.59E-12
AC002543.2	-4.34	1.89E-13	1.60E-12
PITPNA	0.95	1.90E-13	1.60E-12
LYPD6B	-1.84	1.91E-13	1.61E-12
C15orf48	-2.82	1.93E-13	1.63E-12
TMEM150A	1.21	1.95E-13	1.64E-12
RNF219	-0.99	1.96E-13	1.65E-12
PRX	1.23	1.97E-13	1.66E-12
GLMP	1.13	1.97E-13	1.66E-12
PRR29	4.91	1.98E-13	1.67E-12
RAD54L2	-0.81	1.99E-13	1.67E-12

FAM172A	-0.88	2.00E-13	1.68E-12
FAM8A1	-0.93	2.00E-13	1.68E-12
SCML2	-1.64	2.00E-13	1.68E-12
ENKD1	1.43	2.01E-13	1.69E-12
SYNGAP1	1.80	2.02E-13	1.70E-12
SCAF11	-0.74	2.03E-13	1.70E-12
UBE2L3	0.81	2.03E-13	1.71E-12
HCLS1	2.60	2.06E-13	1.73E-12
ECHS1	0.96	2.08E-13	1.75E-12
TBC1D10A	1.27	2.09E-13	1.75E-12
PKIB	-2.25	2.09E-13	1.75E-12
CNEP1R1	-0.70	2.13E-13	1.79E-12
LANCL1-AS1	-3.09	2.15E-13	1.80E-12
S100A16	1.31	2.15E-13	1.80E-12
ITGB5	1.11	2.15E-13	1.80E-12
DAZAP2	1.00	2.15E-13	1.80E-12
ESCO2	-1.61	2.17E-13	1.82E-12
DPP6	-2.51	2.18E-13	1.82E-12
HES6	2.26	2.18E-13	1.83E-12
ZNF248	-1.48	2.18E-13	1.83E-12
GRIPAP1	0.75	2.23E-13	1.87E-12
IFITM10	1.82	2.25E-13	1.88E-12
RP11-294J22.7	-5.30	2.29E-13	1.91E-12
PAN3	-0.78	2.30E-13	1.92E-12
UFD1L	0.70	2.31E-13	1.93E-12
ATG4D	1.27	2.32E-13	1.94E-12
ANKRD9	1.28	2.32E-13	1.94E-12
HDHD3	1.08	2.34E-13	1.95E-12
TOR3A	0.95	2.34E-13	1.95E-12
STARD8	2.74	2.34E-13	1.95E-12
CCDC141	-4.19	2.36E-13	1.97E-12
RPS17	-2.28	2.37E-13	1.98E-12
ALDH3B2	1.68	2.37E-13	1.98E-12
RPS23P8	-2.11	2.39E-13	1.99E-12
USP53	-0.90	2.40E-13	2.00E-12
IDH3B	0.79	2.43E-13	2.02E-12
AL161626.1	4.87	2.46E-13	2.05E-12
FAM20B	-0.78	2.49E-13	2.07E-12
PAPSS2	2.46	2.53E-13	2.11E-12
RP11-157K17.5	-4.51	2.55E-13	2.12E-12
RP11-888D10.4	-2.69	2.55E-13	2.13E-12
ADSSL1	1.59	2.56E-13	2.13E-12
NCOA7	1.30	2.61E-13	2.17E-12
RP5-1021I20.5	-4.41	2.61E-13	2.17E-12
TPTE2P5	-2.51	2.62E-13	2.18E-12

LENG9	1.73	2.62E-13	2.18E-12
MAFB	1.58	2.64E-13	2.19E-12
KRT18P7	-4.05	2.65E-13	2.20E-12
OTUD4	-0.87	2.66E-13	2.21E-12
ZNF567	-1.14	2.66E-13	2.21E-12
SIN3B	1.44	2.67E-13	2.21E-12
TGFBR3	-1.50	2.71E-13	2.25E-12
CD36	3.29	2.77E-13	2.30E-12
HIST1H4K	-5.04	2.81E-13	2.33E-12
CACUL1	-0.70	2.83E-13	2.35E-12
MAN1A2	-0.92	2.83E-13	2.35E-12
KCNK6	1.26	2.86E-13	2.37E-12
ULK1	1.34	2.87E-13	2.37E-12
CTA-941F9.10	-2.69	2.87E-13	2.38E-12
ALKBH2	1.08	2.87E-13	2.38E-12
RP11-434P11.1	-4.20	2.89E-13	2.40E-12
RGMA	2.25	2.90E-13	2.40E-12
VANGL1	-0.66	2.92E-13	2.42E-12
COL5A1	3.23	2.93E-13	2.43E-12
CYYR1	2.33	2.94E-13	2.43E-12
TWIST1	2.89	2.96E-13	2.45E-12
NBN	-0.94	2.97E-13	2.45E-12
ISOC2	1.47	3.03E-13	2.51E-12
EVL	1.78	3.13E-13	2.58E-12
RAB36	1.52	3.13E-13	2.58E-12
PEX16	1.33	3.15E-13	2.60E-12
GALNT10	1.25	3.15E-13	2.60E-12
ALPK3	3.38	3.16E-13	2.61E-12
GFM2	-0.92	3.20E-13	2.64E-12
CDC34	1.04	3.22E-13	2.65E-12
KAT7	-0.73	3.25E-13	2.68E-12
APH1A	0.87	3.27E-13	2.70E-12
MLLT4	-0.88	3.27E-13	2.70E-12
FBXO3	-0.90	3.28E-13	2.70E-12
TOMM40	1.06	3.29E-13	2.71E-12
SBSN	1.72	3.30E-13	2.72E-12
EXD3	1.55	3.31E-13	2.72E-12
SERPING1	2.89	3.32E-13	2.73E-12
SF3B5	1.11	3.34E-13	2.75E-12
C7orf49	0.95	3.34E-13	2.75E-12
EBPL	1.40	3.35E-13	2.76E-12
CCP110	-0.89	3.37E-13	2.77E-12
HERC3	-0.99	3.41E-13	2.80E-12
AZIN2	2.09	3.49E-13	2.87E-12
RP1-78B3.1	-3.45	3.50E-13	2.87E-12

ZC4H2	1.32	3.50E-13	2.88E-12
MIEN1	0.87	3.51E-13	2.88E-12
P2RX4	1.72	3.54E-13	2.91E-12
TUBB6	1.28	3.54E-13	2.91E-12
C9orf142	1.06	3.56E-13	2.92E-12
MAN1B1-AS1	1.76	3.57E-13	2.93E-12
RPS3	1.39	3.57E-13	2.93E-12
SVIP	-1.42	3.61E-13	2.96E-12
STARD3NL	1.37	3.63E-13	2.98E-12
COA3	1.18	3.63E-13	2.98E-12
TIMMDC1	0.93	3.64E-13	2.98E-12
RP1-34H18.1	-3.15	3.65E-13	2.99E-12
CEP57L1	-1.13	3.70E-13	3.03E-12
PIM1	1.35	3.71E-13	3.04E-12
G36217	-4.46	3.72E-13	3.04E-12
SNORA20	-9.01	3.72E-13	3.05E-12
GAS2L3	-1.49	3.73E-13	3.05E-12
SCYL2	-0.86	3.80E-13	3.11E-12
EFEMP2	2.65	3.82E-13	3.12E-12
IFI27L2	1.83	3.82E-13	3.13E-12
PRICKLE3	1.22	3.85E-13	3.15E-12
SPEG	2.22	3.87E-13	3.16E-12
CYP2W1	-2.95	3.89E-13	3.18E-12
TRIM11	0.95	3.90E-13	3.18E-12
ANK3	-1.31	3.94E-13	3.22E-12
CAMK2N1	3.11	3.97E-13	3.24E-12
RP11-405O10.2	-5.26	3.97E-13	3.24E-12
LEMD1	4.12	3.97E-13	3.24E-12
RAB3GAP2	-0.71	4.00E-13	3.26E-12
GNB1	0.68	4.02E-13	3.28E-12
H3F3A	1.01	4.03E-13	3.29E-12
ICK	-0.80	4.05E-13	3.30E-12
SCAMP4	1.42	4.06E-13	3.31E-12
LINC01422	-3.10	4.07E-13	3.32E-12
SRGN	2.66	4.14E-13	3.37E-12
CEP128	-1.38	4.14E-13	3.37E-12
TPCN1	1.36	4.16E-13	3.38E-12
PSMD10P1	-4.97	4.16E-13	3.39E-12
CDH20	-2.14	4.18E-13	3.40E-12
MOB3C	1.06	4.20E-13	3.41E-12
SDCBP2	1.46	4.28E-13	3.48E-12
IRF7	1.70	4.29E-13	3.48E-12
AC007383.3	1.30	4.29E-13	3.48E-12
SSTR2	3.01	4.30E-13	3.49E-12
EXOC8	-1.27	4.34E-13	3.53E-12

RP11-475O6.1	-2.36	4.34E-13	3.53E-12
NETO2	2.70	4.34E-13	3.53E-12
MEGF8	1.00	4.37E-13	3.55E-12
WDR47	-1.18	4.39E-13	3.57E-12
RAB3IL1	3.17	4.44E-13	3.60E-12
PSMB9	1.73	4.49E-13	3.64E-12
ENAH	1.15	4.54E-13	3.68E-12
DIAPH2	-1.01	4.57E-13	3.71E-12
STRN	-1.07	4.59E-13	3.72E-12
TBCA	1.07	4.62E-13	3.74E-12
SSFA2	-1.27	4.63E-13	3.75E-12
TUBB1	-3.91	4.63E-13	3.75E-12
BTBD7	-0.75	4.68E-13	3.79E-12
NEIL3	-1.56	4.72E-13	3.82E-12
PTGR1	1.37	4.73E-13	3.83E-12
AP001442.2	-3.82	4.74E-13	3.83E-12
AGL	-0.89	4.76E-13	3.85E-12
RP11-439E19.10	-2.88	4.77E-13	3.86E-12
GOLGA7B	1.40	4.77E-13	3.86E-12
MFAP2	3.56	4.78E-13	3.86E-12
AXIN1	0.81	5.01E-13	4.05E-12
EPM2AIP1	-0.78	5.01E-13	4.05E-12
MEIS3	2.94	5.07E-13	4.09E-12
ESR2	-3.20	5.11E-13	4.12E-12
CD300E	4.57	5.12E-13	4.13E-12
RNF113A	1.07	5.13E-13	4.14E-12
C2	3.37	5.14E-13	4.15E-12
BMF	1.18	5.18E-13	4.18E-12
MYO1B	1.82	5.19E-13	4.19E-12
MRGPRF	2.44	5.21E-13	4.20E-12
THAP5	-1.14	5.25E-13	4.23E-12
ZNF720	-0.97	5.37E-13	4.33E-12
C5AR1	3.60	5.40E-13	4.35E-12
GBP2	1.22	5.50E-13	4.43E-12
CD248	2.79	5.51E-13	4.44E-12
GRB7	1.31	5.53E-13	4.45E-12
FAM188A	-1.03	5.59E-13	4.50E-12
RP3-394A18.1	-2.34	5.63E-13	4.53E-12
ACPT	-3.86	5.64E-13	4.54E-12
RP11-133K1.8	-7.37	5.65E-13	4.54E-12
G35531	-4.42	5.74E-13	4.62E-12
RP11-373D23.2	-3.30	5.81E-13	4.67E-12
ZBTB6	-1.24	5.81E-13	4.67E-12
DHX30	0.66	5.84E-13	4.69E-12
CALML3	2.68	5.85E-13	4.69E-12

HIVEP2	-1.23	5.90E-13	4.74E-12
RP11-1336O20.2	-8.06	5.91E-13	4.74E-12
G35510	-1.75	5.97E-13	4.79E-12
GNA15	1.21	5.97E-13	4.79E-12
CTDSPL2	-0.92	5.98E-13	4.79E-12
TRPC4AP	0.60	6.01E-13	4.82E-12
RP4-673D20.3	-3.14	6.01E-13	4.82E-12
SNAI2	1.11	6.07E-13	4.86E-12
G40907	-4.09	6.08E-13	4.87E-12
RP11-305O6.4	-4.39	6.11E-13	4.90E-12
RP11-594N15.3	-2.61	6.12E-13	4.90E-12
SLC11A1	3.23	6.13E-13	4.91E-12
UHMK1	-0.83	6.16E-13	4.93E-12
BACH1	-1.02	6.19E-13	4.95E-12
PPM1L	-1.08	6.25E-13	5.00E-12
HSPA5	1.23	6.32E-13	5.06E-12
PRPF4B	-0.70	6.36E-13	5.09E-12
ZNF653	1.27	6.44E-13	5.14E-12
ZNF418	-1.65	6.54E-13	5.23E-12
EPOR	1.86	6.56E-13	5.24E-12
CHD8	-0.77	6.56E-13	5.24E-12
PRKCQ	3.39	6.57E-13	5.24E-12
NUP210L	-3.97	6.65E-13	5.31E-12
TMEM191A	1.59	6.66E-13	5.31E-12
ENPEP	3.84	6.80E-13	5.43E-12
RASGRF2	2.24	6.82E-13	5.44E-12
PIK3R4	-0.77	6.88E-13	5.49E-12
TKT	1.36	6.97E-13	5.56E-12
KRTCAP3	1.56	6.99E-13	5.57E-12
RP11-391L3.4	-5.46	7.02E-13	5.60E-12
ALG3	1.07	7.14E-13	5.69E-12
ENO2	1.89	7.17E-13	5.71E-12
MED28	-0.57	7.19E-13	5.73E-12
ZC3H14	-0.64	7.23E-13	5.76E-12
ZNF160	-0.75	7.26E-13	5.78E-12
OPA1	-0.94	7.27E-13	5.78E-12
FAM171A2	1.69	7.29E-13	5.80E-12
LIPE	2.57	7.36E-13	5.85E-12
DCTN1	0.61	7.44E-13	5.91E-12
HSPD1P11	-5.62	7.45E-13	5.92E-12
AP001469.5	-3.47	7.54E-13	6.00E-12
ZNF252P	-1.04	7.55E-13	6.00E-12
AFAP1L2	1.69	7.55E-13	6.00E-12
GSN-AS1	-2.90	7.61E-13	6.04E-12
RPS16	2.10	7.70E-13	6.11E-12

G19270	-7.75	7.73E-13	6.14E-12
ATIC	1.32	7.79E-13	6.18E-12
UCKL1	0.80	7.92E-13	6.28E-12
ZSWIM4	1.25	7.97E-13	6.32E-12
SIL1	0.93	7.99E-13	6.34E-12
HES2	1.18	8.01E-13	6.35E-12
BROX	-1.10	8.05E-13	6.38E-12
RPAP2	-0.82	8.09E-13	6.41E-12
LGMN	1.74	8.18E-13	6.48E-12
SHROOM2	1.17	8.25E-13	6.54E-12
RP11-337C18.8	-2.41	8.27E-13	6.55E-12
MIPOL1	-1.28	8.27E-13	6.55E-12
COL6A2	2.87	8.28E-13	6.55E-12
PANK4	1.01	8.32E-13	6.59E-12
RGL2	0.93	8.34E-13	6.60E-12
RP11-307C19.2	-3.29	8.41E-13	6.65E-12
KIRREL	2.00	8.41E-13	6.65E-12
DNAAF5	0.79	8.49E-13	6.71E-12
RUNX1	2.60	8.54E-13	6.75E-12
TBL2	0.69	8.54E-13	6.75E-12
RP11-511P7.5	1.42	8.54E-13	6.75E-12
PHYHIP	-2.52	8.56E-13	6.76E-12
NFKBIE	1.32	8.56E-13	6.76E-12
LNX1-AS1	-5.22	8.69E-13	6.86E-12
ARL6	-1.13	8.74E-13	6.89E-12
DNAJB2	0.87	8.75E-13	6.90E-12
SPATA24	1.80	8.83E-13	6.96E-12
USP3-AS1	-3.61	8.84E-13	6.97E-12
CHRDL2	7.74	8.86E-13	6.99E-12
AFAP1L1	2.15	9.02E-13	7.11E-12
MED7	-0.93	9.09E-13	7.16E-12
SLC26A11	1.13	9.11E-13	7.17E-12
E2F5	-1.27	9.36E-13	7.37E-12
ICAM2	3.15	9.38E-13	7.39E-12
SSR2	0.98	9.43E-13	7.42E-12
PBDC1	0.95	9.45E-13	7.44E-12
WTIP	2.01	9.50E-13	7.47E-12
NSMAF	-0.66	9.62E-13	7.57E-12
SENP3	0.92	9.67E-13	7.61E-12
GPATCH4	1.26	9.78E-13	7.69E-12
SSSCA1	1.06	9.92E-13	7.80E-12
PPP1R16B	2.12	9.96E-13	7.83E-12
TMEM14EP	-5.65	9.99E-13	7.85E-12
PAFAH1B1	-0.62	1.00E-12	7.87E-12
GLIS1	2.15	1.01E-12	7.97E-12

Gene	Value	P-value	Adj. P-value
BNIP3	1.82	1.02E-12	8.00E-12
XPO1	-0.78	1.03E-12	8.05E-12
ZNRF3	-1.12	1.03E-12	8.05E-12
SAA2	5.80	1.05E-12	8.22E-12
OMA1	-1.54	1.06E-12	8.29E-12
C2orf49	-0.78	1.06E-12	8.34E-12
EPS8L2	1.00	1.07E-12	8.40E-12
NHP2	1.15	1.08E-12	8.48E-12
CA1	-6.73	1.08E-12	8.48E-12
DOCK5	-1.05	1.08E-12	8.49E-12
HSPA4L	-1.42	1.09E-12	8.56E-12
TMEM198	2.62	1.10E-12	8.61E-12
BTN2A1	0.99	1.10E-12	8.61E-12
ALS2	-0.64	1.10E-12	8.63E-12
AD000684.2	-3.42	1.11E-12	8.65E-12
RP1-179N16.3	-3.48	1.11E-12	8.70E-12
RP4-758J18.2	1.09	1.12E-12	8.74E-12
TRAPPC11	-0.67	1.12E-12	8.78E-12
GPR153	1.63	1.12E-12	8.78E-12
G35821	-1.47	1.13E-12	8.79E-12
FBXO25	-0.83	1.13E-12	8.79E-12
IL17RC	0.91	1.13E-12	8.82E-12
EXOC1	-0.71	1.13E-12	8.84E-12
MTERF1	-0.70	1.13E-12	8.86E-12
ESM1	8.17	1.16E-12	9.03E-12
SNORD60	-8.65	1.17E-12	9.16E-12
DGKH	-1.15	1.18E-12	9.22E-12
TMCO4	1.21	1.19E-12	9.30E-12
CTD-2349P21.3	-4.99	1.19E-12	9.30E-12
SLC35C2	0.66	1.20E-12	9.39E-12
SLC10A6	-1.14	1.21E-12	9.42E-12
ATP5O	-0.97	1.22E-12	9.50E-12
VWA8	-0.89	1.22E-12	9.52E-12
ZNF544	-0.97	1.25E-12	9.72E-12
CPXM2	2.21	1.26E-12	9.78E-12
SNORD3C	-9.00	1.26E-12	9.81E-12
FLYWCH1	1.36	1.26E-12	9.82E-12
H2AFX	1.25	1.27E-12	9.85E-12
RP11-819C21.1	-1.63	1.30E-12	1.01E-11
C1RL	1.48	1.31E-12	1.02E-11
SGSM3	0.96	1.34E-12	1.04E-11
TMEM144	-1.02	1.34E-12	1.04E-11
C10orf67	-4.59	1.35E-12	1.05E-11
HNRNPUL2	0.81	1.35E-12	1.05E-11
GALNT2	1.12	1.35E-12	1.05E-11

PHLDA2	1.81	1.37E-12	1.06E-11
KDM5B	-0.76	1.37E-12	1.06E-11
ZNF304	-0.82	1.38E-12	1.07E-11
ZNF548	-0.92	1.38E-12	1.07E-11
CAMKK2	0.69	1.39E-12	1.07E-11
LTB	2.50	1.39E-12	1.08E-11
SOCS7	-0.71	1.39E-12	1.08E-11
MT-ATP8	3.23	1.39E-12	1.08E-11
ANAPC2	1.31	1.40E-12	1.08E-11
CHCHD6	1.03	1.40E-12	1.08E-11
KCNAB1	-1.47	1.41E-12	1.09E-11
TAS2R30	-7.70	1.41E-12	1.09E-11
COL6A3	3.24	1.42E-12	1.10E-11
CLEC1A	2.80	1.42E-12	1.10E-11
CCHCR1	1.06	1.43E-12	1.11E-11
AP4S1	-1.00	1.44E-12	1.11E-11
PLEKHF1	1.94	1.44E-12	1.12E-11
SEMA3F	1.00	1.47E-12	1.13E-11
RP11-1263C18.1	-3.06	1.47E-12	1.14E-11
RP11-342K6.1	-1.25	1.48E-12	1.14E-11
NPM1P26	-5.11	1.49E-12	1.15E-11
PDIK1L	-1.10	1.49E-12	1.15E-11
RAB27B	-1.66	1.50E-12	1.16E-11
TDRD3	-0.78	1.50E-12	1.16E-11
TUT1	1.37	1.51E-12	1.16E-11
CLTB	1.35	1.51E-12	1.17E-11
ANKFY1	-0.59	1.52E-12	1.17E-11
SSBP2	-0.98	1.52E-12	1.17E-11
TMED1	1.50	1.53E-12	1.18E-11
DCAF13P3	-4.40	1.54E-12	1.19E-11
ANGEL1	1.01	1.55E-12	1.20E-11
UNC13D	1.69	1.57E-12	1.21E-11
PSMB4	0.94	1.57E-12	1.21E-11
TCF12	-0.76	1.57E-12	1.21E-11
MRPS7	1.01	1.58E-12	1.22E-11
CACNA1C	2.54	1.59E-12	1.23E-11
AL662800.1	-2.37	1.60E-12	1.23E-11
ZNF441	-1.43	1.61E-12	1.24E-11
SLPI	1.79	1.64E-12	1.26E-11
HENMT1	1.49	1.64E-12	1.26E-11
SUSD6	0.88	1.64E-12	1.26E-11
SLC9A7	-1.46	1.65E-12	1.27E-11
CYP4Z1	-3.03	1.65E-12	1.27E-11
RP11-29G8.3	-3.89	1.66E-12	1.27E-11
IL27RA	2.09	1.66E-12	1.28E-11

HAGHL	2.48	1.67E-12	1.28E-11
CALML5	2.22	1.68E-12	1.29E-11
MYO9B	1.05	1.68E-12	1.29E-11
C20orf196	1.58	1.69E-12	1.29E-11
CCDC39	-2.00	1.69E-12	1.30E-11
IL4I1	4.52	1.69E-12	1.30E-11
CLDN18	-4.41	1.70E-12	1.30E-11
RP5-821D11.7	-1.07	1.71E-12	1.31E-11
PLP1	-2.04	1.72E-12	1.32E-11
ANO7P1	1.77	1.72E-12	1.32E-11
SENP7	-1.11	1.73E-12	1.33E-11
RUNX3	1.60	1.74E-12	1.33E-11
HMGXB3	0.63	1.74E-12	1.34E-11
C17orf89	1.14	1.75E-12	1.34E-11
RP11-849H4.4	-2.88	1.75E-12	1.34E-11
BLNK	1.53	1.77E-12	1.36E-11
CXorf23	-0.94	1.79E-12	1.37E-11
ACTB	1.03	1.79E-12	1.37E-11
NOX4	4.45	1.81E-12	1.38E-11
SKIV2L	0.80	1.81E-12	1.38E-11
ZFP3	-0.98	1.83E-12	1.40E-11
RNF217-AS1	-2.68	1.83E-12	1.40E-11
DBX2	-6.60	1.84E-12	1.40E-11
RP11-65E22.2	-3.30	1.84E-12	1.41E-11
RMND5A	-1.33	1.84E-12	1.41E-11
TPP1	1.37	1.85E-12	1.41E-11
AC006460.2	-3.95	1.86E-12	1.42E-11
ZNF613	-0.86	1.87E-12	1.43E-11
ZNF879	-1.13	1.87E-12	1.43E-11
DMTF1	-1.37	1.90E-12	1.45E-11
ACTA2	2.62	1.92E-12	1.46E-11
DBNL	0.91	1.92E-12	1.46E-11
NSMCE2	0.72	1.93E-12	1.47E-11
AP000439.3	-2.64	1.93E-12	1.47E-11
HSD17B14	2.59	1.95E-12	1.49E-11
SLC52A2	1.22	1.98E-12	1.51E-11
SPRED2	1.17	2.00E-12	1.52E-11
PTBP1	0.75	2.01E-12	1.53E-11
POLQ	-1.44	2.01E-12	1.53E-11
SGIP1	2.54	2.02E-12	1.53E-11
XLOC_008613	-5.40	2.02E-12	1.53E-11
HSD3B1	-10.02	2.05E-12	1.56E-11
CRYZP1	-4.48	2.05E-12	1.56E-11
CERCAM	2.97	2.05E-12	1.56E-11
FANCL	-0.97	2.06E-12	1.56E-11

PCDH12	2.90	2.07E-12	1.57E-11
CYTL1	3.37	2.11E-12	1.60E-11
LL0XNC01-237H1.2	-2.09	2.11E-12	1.60E-11
FLJ37453	1.30	2.15E-12	1.63E-11
TMEM44	2.38	2.15E-12	1.63E-11
NPY5R	-2.78	2.19E-12	1.66E-11
POLR2G	0.99	2.20E-12	1.67E-11
FBXO33	-0.81	2.20E-12	1.67E-11
CLN6	1.10	2.22E-12	1.69E-11
PHB2	0.85	2.23E-12	1.69E-11
CPSF4	0.78	2.24E-12	1.70E-11
APEH	0.86	2.25E-12	1.70E-11
HAS3	2.24	2.25E-12	1.71E-11
C19orf33	-3.22	2.28E-12	1.72E-11
TIGD5	1.00	2.28E-12	1.73E-11
FOXP1	0.77	2.32E-12	1.76E-11
HSD3BP5	-2.97	2.33E-12	1.76E-11
DYNLRB1	0.95	2.33E-12	1.77E-11
PEX11G	1.55	2.34E-12	1.77E-11
SNHG6	1.14	2.34E-12	1.77E-11
ZNF876P	-2.09	2.34E-12	1.77E-11
RP11-504G3.4	-3.75	2.35E-12	1.78E-11
CEACAM19	1.45	2.38E-12	1.80E-11
FPGT-TNNI3K	-3.31	2.38E-12	1.80E-11
DOK1	2.37	2.38E-12	1.80E-11
CHUK	-0.87	2.39E-12	1.80E-11
FOXRED1	1.20	2.40E-12	1.81E-11
ZNHIT2	1.13	2.41E-12	1.82E-11
KRR1P1	-4.78	2.41E-12	1.82E-11
S100A9	5.92	2.41E-12	1.82E-11
CEP162	-1.01	2.42E-12	1.83E-11
AL133243.4	-5.88	2.42E-12	1.83E-11
OCA2	-1.84	2.45E-12	1.85E-11
ARF1	0.86	2.45E-12	1.85E-11
FJX1	1.09	2.46E-12	1.85E-11
SPICE1	-0.91	2.46E-12	1.86E-11
MEX3D	1.00	2.46E-12	1.86E-11
RP11-531F16.4	-2.29	2.48E-12	1.86E-11
RUNDC3A	1.99	2.49E-12	1.88E-11
PHC1	1.53	2.51E-12	1.89E-11
C1orf233	1.76	2.51E-12	1.89E-11
ZNF443	-1.26	2.52E-12	1.90E-11
C19orf54	1.46	2.53E-12	1.90E-11
DNAJB6	0.95	2.55E-12	1.92E-11
IGIP	-1.07	2.58E-12	1.94E-11

DCTN2	0.77	2.60E-12	1.95E-11
UBE2L6	1.19	2.62E-12	1.97E-11
ZNF687	0.72	2.63E-12	1.97E-11
MSC	3.45	2.64E-12	1.98E-11
CFAP36	0.69	2.65E-12	1.99E-11
FZD2	3.94	2.66E-12	1.99E-11
UBL4A	0.80	2.69E-12	2.02E-11
LINC00657	-0.88	2.69E-12	2.02E-11
CNN3	1.63	2.70E-12	2.02E-11
KIF17	3.09	2.71E-12	2.03E-11
SNORA63	-3.77	2.71E-12	2.03E-11
RP11-461L13.3	-3.01	2.72E-12	2.04E-11
CRKL	-0.70	2.73E-12	2.05E-11
AKR1B1	1.61	2.74E-12	2.05E-11
ASTE1	-0.76	2.74E-12	2.05E-11
KRT37	3.97	2.75E-12	2.06E-11
STK31	-3.99	2.78E-12	2.08E-11
RGMB-AS1	-2.09	2.80E-12	2.10E-11
DANT2	-3.19	2.80E-12	2.10E-11
EBF2	4.47	2.81E-12	2.11E-11
RP5-1014D13.2	-2.10	2.83E-12	2.12E-11
NUP43	-1.06	2.84E-12	2.12E-11
DDOST	0.90	2.87E-12	2.14E-11
SHOC2	-0.77	2.87E-12	2.15E-11
RTF1	0.77	2.88E-12	2.15E-11
PALLD	1.52	2.90E-12	2.17E-11
C1QA	4.01	2.90E-12	2.17E-11
CH17-76K2.6	-4.67	2.93E-12	2.18E-11
MARK3	0.53	2.93E-12	2.19E-11
SSR4	1.07	2.93E-12	2.19E-11
CNTNAP3	-2.48	2.99E-12	2.23E-11
SNHG14	-1.26	3.00E-12	2.24E-11
RNY5	-9.52	3.00E-12	2.24E-11
SDHA	0.92	3.01E-12	2.25E-11
HSPA12B	2.47	3.06E-12	2.28E-11
CAND1	-0.85	3.06E-12	2.28E-11
NDUFS1	-0.93	3.08E-12	2.29E-11
KLC2	1.25	3.12E-12	2.33E-11
KIAA1549L	-1.72	3.14E-12	2.34E-11
OSGIN1	3.19	3.18E-12	2.37E-11
RAB22A	-0.71	3.21E-12	2.39E-11
C4B	4.91	3.22E-12	2.40E-11
ZNF257	-2.52	3.23E-12	2.41E-11
FREM2	-2.75	3.24E-12	2.41E-11
JMJD7	-3.23	3.27E-12	2.43E-11

Gene	Value	p-value	adj. p-value
TSPAN12	2.44	3.30E-12	2.45E-11
USP47	-0.78	3.30E-12	2.45E-11
MRPS12	1.05	3.31E-12	2.46E-11
MEPCE	1.00	3.32E-12	2.46E-11
PANX2	3.38	3.32E-12	2.47E-11
ZNF606	-1.03	3.34E-12	2.48E-11
WNT5A	1.99	3.38E-12	2.51E-11
OR51E1	6.53	3.42E-12	2.54E-11
PCDH17	3.49	3.43E-12	2.54E-11
TOR1A	0.76	3.43E-12	2.54E-11
ST7L	-1.03	3.43E-12	2.54E-11
HOXC6	1.39	3.49E-12	2.59E-11
MRPL34	1.16	3.50E-12	2.59E-11
RP11-448G15.3	-2.29	3.52E-12	2.61E-11
DGAT2L6	-10.05	3.52E-12	2.61E-11
RP11-133K1.9	-3.13	3.52E-12	2.61E-11
QRSL1P3	-5.08	3.54E-12	2.63E-11
KLHDC4	1.05	3.61E-12	2.67E-11
FN3KRP	1.11	3.61E-12	2.67E-11
RP11-394B2.5	-3.05	3.64E-12	2.69E-11
PMS2P1	0.84	3.64E-12	2.69E-11
ASPSCR1	1.10	3.67E-12	2.71E-11
DPP8	-0.80	3.67E-12	2.72E-11
TDO2	6.16	3.69E-12	2.73E-11
RP11-115D19.1	-2.90	3.70E-12	2.73E-11
LINC00888	2.32	3.71E-12	2.74E-11
TRIM65	0.85	3.71E-12	2.74E-11
TOLLIP	1.11	3.76E-12	2.78E-11
MTMR7	-1.73	3.76E-12	2.78E-11
COPZ2	1.49	3.77E-12	2.79E-11
CCL5	2.97	3.78E-12	2.79E-11
GCAT	1.37	3.79E-12	2.79E-11
CD40	1.44	3.80E-12	2.81E-11
RN7SKP71	-7.33	3.81E-12	2.81E-11
UBE2D2	0.79	3.82E-12	2.82E-11
IQSEC1	1.48	3.84E-12	2.84E-11
MSI2	-0.70	3.87E-12	2.85E-11
STYX	-1.08	3.89E-12	2.87E-11
FCMR	3.34	3.90E-12	2.87E-11
TM4SF1	2.48	3.90E-12	2.88E-11
S100A4	2.01	3.91E-12	2.88E-11
CLEC12B	-2.85	3.91E-12	2.88E-11
TTC21B-AS1	-4.45	3.99E-12	2.94E-11
PTCD2	-0.79	4.02E-12	2.96E-11
AIFM2	1.78	4.02E-12	2.96E-11

KRBA1	1.38	4.03E-12	2.97E-11
LINC01550	-1.30	4.05E-12	2.98E-11
ZNF346	0.71	4.07E-12	2.99E-11
LAMP1	0.77	4.10E-12	3.01E-11
RP13-923O23.7	-2.64	4.11E-12	3.02E-11
TGM4	-3.62	4.13E-12	3.04E-11
RALGAPA2	-0.98	4.15E-12	3.05E-11
FDXR	1.24	4.17E-12	3.06E-11
SEMA6D	1.88	4.19E-12	3.08E-11
FLT1	2.17	4.21E-12	3.09E-11
EPHA5	-2.55	4.25E-12	3.12E-11
SAE1	0.83	4.25E-12	3.12E-11
POLDIP3	0.57	4.25E-12	3.12E-11
SLC12A7	1.44	4.26E-12	3.12E-11
C12orf45	-1.01	4.26E-12	3.13E-11
ZFYVE19	0.95	4.27E-12	3.13E-11
TACC3	1.33	4.27E-12	3.13E-11
C9orf131	-4.80	4.27E-12	3.13E-11
FAM162A	1.08	4.28E-12	3.14E-11
ZMYM6	-0.72	4.34E-12	3.18E-11
MTHFD1L	1.73	4.34E-12	3.18E-11
DLG2	-1.27	4.35E-12	3.19E-11
ZNF799	-0.87	4.37E-12	3.20E-11
UBL5	1.20	4.38E-12	3.20E-11
TAOK2	0.87	4.38E-12	3.21E-11
DHRS3	0.91	4.41E-12	3.23E-11
G1562	-5.62	4.42E-12	3.23E-11
ZNF776	-0.98	4.43E-12	3.24E-11
FCGR2A	2.99	4.43E-12	3.24E-11
ARL5B	-1.11	4.44E-12	3.25E-11
TTC5	-0.76	4.45E-12	3.26E-11
TXNDC12	0.87	4.50E-12	3.29E-11
SLC7A6	-1.15	4.52E-12	3.30E-11
FERMT3	2.35	4.54E-12	3.32E-11
MYCT1	2.23	4.55E-12	3.32E-11
FTOP1	-2.45	4.59E-12	3.35E-11
HIRA	0.81	4.59E-12	3.35E-11
ACTR1A	0.71	4.67E-12	3.41E-11
CSNK1G1	-0.56	4.69E-12	3.42E-11
PPIE	0.73	4.73E-12	3.45E-11
SCEL-AS1	-7.57	4.74E-12	3.46E-11
ELP2	-0.68	4.74E-12	3.46E-11
C1QB	3.99	4.80E-12	3.50E-11
NAA35	-0.70	4.82E-12	3.51E-11
LIMD2	2.13	4.88E-12	3.56E-11

RP11-515O17.2	-7.34	4.92E-12	3.58E-11
PTCD3	-0.67	4.93E-12	3.59E-11
AF131215.5	-4.92	4.94E-12	3.60E-11
CIRH1A	1.02	5.03E-12	3.66E-11
RPL10P3	-3.27	5.06E-12	3.68E-11
TRIM41	0.92	5.09E-12	3.71E-11
C9orf114	0.85	5.11E-12	3.71E-11
HIF1A	1.29	5.12E-12	3.72E-11
GLCCI1	-1.06	5.13E-12	3.73E-11
VARS	0.94	5.15E-12	3.75E-11
FAM184B	-2.17	5.18E-12	3.76E-11
RNF166	1.48	5.21E-12	3.78E-11
PPP2R3A	-1.09	5.28E-12	3.84E-11
NDFIP2	-1.40	5.28E-12	3.84E-11
RP1-239B22.5	-2.09	5.29E-12	3.84E-11
CDH6	2.70	5.34E-12	3.88E-11
RP11-50D9.3	-3.58	5.37E-12	3.90E-11
RP11-379B18.5	-2.16	5.38E-12	3.90E-11
PSME1	0.93	5.43E-12	3.94E-11
SPATA6	-0.82	5.44E-12	3.95E-11
ZNF430	-0.91	5.51E-12	3.99E-11
CTD-2619J13.17	-1.91	5.55E-12	4.02E-11
LINC00152	3.40	5.63E-12	4.08E-11
MT-ND4	4.16	5.66E-12	4.10E-11
DTNB	1.11	5.67E-12	4.10E-11
FRMD5	-2.49	5.67E-12	4.11E-11
CASKIN2	1.32	5.69E-12	4.12E-11
RASD2	3.80	5.79E-12	4.19E-11
TBC1D1	1.28	5.82E-12	4.21E-11
NEU3	-0.89	5.84E-12	4.23E-11
FRMD6-AS2	-3.51	5.87E-12	4.25E-11
SNORA26	-4.35	5.89E-12	4.26E-11
ARRDC3-AS1	-1.87	5.98E-12	4.32E-11
RP11-127L20.3	-2.74	5.98E-12	4.32E-11
AC073046.25	-1.94	6.09E-12	4.40E-11
CMTM4	-0.98	6.10E-12	4.41E-11
SDHC	0.61	6.17E-12	4.46E-11
AC074286.1	-1.87	6.18E-12	4.46E-11
TMF1	-0.79	6.20E-12	4.48E-11
C1orf54	2.36	6.22E-12	4.49E-11
LAPTM4A	1.06	6.28E-12	4.53E-11
TPRG1L	0.96	6.34E-12	4.57E-11
DGCR11	-1.55	6.35E-12	4.58E-11
G18355	-7.78	6.37E-12	4.60E-11
ADCY6	1.26	6.41E-12	4.62E-11

ABCA11P	-2.47	6.45E-12	4.65E-11
KIAA1429	-0.75	6.45E-12	4.65E-11
HNRNPL	0.66	6.47E-12	4.66E-11
HIST2H2BE	-1.47	6.48E-12	4.67E-11
AF127577.13	-6.13	6.49E-12	4.68E-11
GLTSCR2	1.27	6.49E-12	4.68E-11
BRF1	1.05	6.52E-12	4.69E-11
THRSP	-7.17	6.60E-12	4.75E-11
TBC1D12	-0.89	6.62E-12	4.76E-11
S100A8	5.67	6.70E-12	4.82E-11
MGRN1	1.33	6.73E-12	4.84E-11
SMIM10	2.24	6.76E-12	4.86E-11
HECTD4	-1.14	6.78E-12	4.88E-11
SLC16A2	1.76	6.78E-12	4.88E-11
TXNL4B	0.87	6.81E-12	4.90E-11
ARL16	1.21	6.83E-12	4.90E-11
UBE2V1	-2.10	6.84E-12	4.92E-11
SNORA42	-6.20	6.86E-12	4.93E-11
ZNF587	-1.23	6.87E-12	4.93E-11
RP11-893F2.18	-3.06	6.91E-12	4.96E-11
LRRC8B	-1.53	6.91E-12	4.96E-11
RP11-712P20.2	-7.42	6.94E-12	4.98E-11
EEF1B2P6	-2.41	6.94E-12	4.98E-11
BAZ2B	-0.89	6.96E-12	4.99E-11
MAP3K7	-0.57	6.98E-12	5.00E-11
CUTA	0.91	7.01E-12	5.02E-11
RP11-98L5.5	-5.01	7.01E-12	5.03E-11
CNST	-1.10	7.07E-12	5.06E-11
MED24	0.72	7.12E-12	5.10E-11
RP11-507K2.2	-3.62	7.12E-12	5.10E-11
ATP6V1A	-0.93	7.18E-12	5.14E-11
LRRC7	-2.24	7.18E-12	5.14E-11
FAM171A1	1.95	7.22E-12	5.17E-11
C9orf40	1.05	7.34E-12	5.25E-11
FBXO6	1.05	7.34E-12	5.25E-11
CAP2P1	-3.40	7.40E-12	5.29E-11
MTSS1L	1.07	7.42E-12	5.30E-11
MBD3	0.94	7.46E-12	5.33E-11
TM2D2	1.04	7.47E-12	5.34E-11
VPS16	0.79	7.55E-12	5.40E-11
SGK3	-1.33	7.55E-12	5.40E-11
PDSS1P1	-7.53	7.65E-12	5.46E-11
GPX3	3.50	7.68E-12	5.49E-11
ZNF385A	2.26	7.71E-12	5.51E-11
RP11-16P6.1	-1.90	7.74E-12	5.53E-11

AF131215.2	-1.26	7.78E-12	5.55E-11
RBPMS	1.70	7.78E-12	5.55E-11
NAALADL1	2.06	7.79E-12	5.56E-11
MYCBP2	-1.33	7.81E-12	5.57E-11
RBM17	0.53	7.82E-12	5.58E-11
G22259	-2.14	7.83E-12	5.58E-11
RP11-500G22.5	-3.02	7.91E-12	5.64E-11
RP11-864J10.4	-3.00	7.92E-12	5.64E-11
TTPAL	-1.25	7.95E-12	5.66E-11
INF2	1.54	8.06E-12	5.74E-11
HNRNPA1	1.05	8.17E-12	5.81E-11
BACH1-IT2	-2.78	8.17E-12	5.82E-11
BBC3	1.22	8.17E-12	5.82E-11
UNC5A	5.42	8.19E-12	5.83E-11
EWSR1	0.61	8.19E-12	5.83E-11
TSR2	0.88	8.25E-12	5.87E-11
RP11-454F8.2	-3.39	8.26E-12	5.87E-11
RP11-160H12.2	-5.32	8.29E-12	5.89E-11
MAB21L2	-7.55	8.31E-12	5.90E-11
RNF44	1.37	8.41E-12	5.98E-11
CDH11	3.25	8.42E-12	5.98E-11
RP11-588K22.2	2.92	8.44E-12	6.00E-11
ARPP19	-0.81	8.50E-12	6.03E-11
BMP3	-5.08	8.51E-12	6.04E-11
NAA16	-0.76	8.55E-12	6.07E-11
LEPR	-2.29	8.68E-12	6.16E-11
ZFP36L2	0.98	8.74E-12	6.20E-11
MT-ND3	1.79	8.74E-12	6.20E-11
IRF3	1.35	8.76E-12	6.21E-11
GOLGA6L5P	2.62	8.81E-12	6.24E-11
CEP89	0.62	8.96E-12	6.35E-11
RCN1	1.65	9.01E-12	6.39E-11
DUSP19	-1.50	9.04E-12	6.41E-11
CDC14B	1.09	9.07E-12	6.43E-11
MIR210HG	1.83	9.11E-12	6.45E-11
RBM10	0.71	9.11E-12	6.45E-11
AC063976.7	-3.32	9.26E-12	6.55E-11
C11orf24	1.41	9.29E-12	6.58E-11
MICALL2	2.08	9.29E-12	6.58E-11
CMTM6	-1.08	9.31E-12	6.59E-11
NAPG	-0.76	9.39E-12	6.64E-11
RP11-563E2.2	-4.23	9.58E-12	6.77E-11
KIF13B	-1.01	9.61E-12	6.79E-11
CITED2	1.02	9.64E-12	6.81E-11
ASB3	-2.06	9.77E-12	6.90E-11

GPRC5B	2.00	9.77E-12	6.90E-11
PLXNB2	0.86	9.78E-12	6.91E-11
RP11-620J15.1	-7.55	9.82E-12	6.94E-11
A4GALT	2.43	9.83E-12	6.94E-11
MPDU1	0.79	9.95E-12	7.02E-11
SLC9A6	-0.79	9.95E-12	7.02E-11
HNRNPAB	0.95	1.00E-11	7.07E-11
IGSF10	-3.04	1.01E-11	7.09E-11
RASGRP1	-1.34	1.01E-11	7.10E-11
ADSL	0.75	1.01E-11	7.10E-11
SCAMP1-AS1	1.30	1.01E-11	7.13E-11
ELL	0.83	1.02E-11	7.17E-11
FADS3	3.12	1.05E-11	7.37E-11
HDAC7	1.19	1.05E-11	7.39E-11
CHRM5	-2.96	1.05E-11	7.39E-11
RAB43	2.44	1.05E-11	7.42E-11
DGUOK	0.62	1.06E-11	7.45E-11
C9orf64	1.16	1.06E-11	7.46E-11
LRWD1	1.27	1.06E-11	7.47E-11
CNTN2	-2.83	1.06E-11	7.48E-11
EGF	-2.15	1.07E-11	7.51E-11
DOK3	2.53	1.08E-11	7.59E-11
ADPRH	2.19	1.08E-11	7.59E-11
SYMPK	1.14	1.08E-11	7.61E-11
MTBP	-1.01	1.09E-11	7.64E-11
ZC3H6	-1.02	1.09E-11	7.69E-11
NECAB3	1.38	1.09E-11	7.69E-11
COX6A1	-0.91	1.09E-11	7.69E-11
RP11-65L3.3	-4.61	1.11E-11	7.77E-11
SNORA2A	-5.92	1.11E-11	7.79E-11
SDCCAG3	0.97	1.11E-11	7.80E-11
SMG1P1	-2.26	1.11E-11	7.80E-11
HSD17B10	1.13	1.13E-11	7.92E-11
HPRT1	1.27	1.13E-11	7.95E-11
RNGTT	-0.83	1.14E-11	8.00E-11
FAM110B	2.50	1.14E-11	8.01E-11
RP5-1187M17.10	2.19	1.14E-11	8.01E-11
AGR3	-8.35	1.14E-11	8.02E-11
DCAF5	0.57	1.15E-11	8.02E-11
XLOC_000992	-4.23	1.16E-11	8.09E-11
LIN54	-1.00	1.16E-11	8.10E-11
CLCN7	1.02	1.18E-11	8.23E-11
SNORA74	-7.05	1.18E-11	8.25E-11
RP11-582E3.4	-3.08	1.20E-11	8.41E-11
MAN2B1	1.14	1.21E-11	8.43E-11

PRMT2	0.74	1.21E-11	8.45E-11
DNA2	-1.11	1.21E-11	8.46E-11
EMP2	-1.12	1.24E-11	8.63E-11
DNMBP-AS1	-3.03	1.24E-11	8.65E-11
OGFOD2	-2.90	1.24E-11	8.66E-11
CLDN16	-1.65	1.25E-11	8.74E-11
DIS3	-0.78	1.25E-11	8.76E-11
CCDC150P1	-2.81	1.25E-11	8.76E-11
PI3	4.85	1.26E-11	8.78E-11
ZNF90	-1.43	1.26E-11	8.83E-11
SMAD1	0.86	1.27E-11	8.84E-11
PDGFA	1.31	1.28E-11	8.92E-11
COX7A1	2.66	1.28E-11	8.92E-11
ARRDC1	1.31	1.29E-11	9.01E-11
REEP3	-1.13	1.29E-11	9.02E-11
ZNF524	1.01	1.30E-11	9.05E-11
PMS1	-0.95	1.30E-11	9.07E-11
PKIA-AS1	-4.11	1.31E-11	9.12E-11
NPY1R	-2.32	1.31E-11	9.12E-11
TNK2	1.30	1.32E-11	9.18E-11
ZXDA	-1.10	1.32E-11	9.18E-11
RPL18AP3	1.13	1.33E-11	9.28E-11
MARK1	0.93	1.34E-11	9.33E-11
ATP1B3-AS1	-2.96	1.34E-11	9.34E-11
COBLL1	-1.06	1.35E-11	9.37E-11
CCDC96	1.66	1.36E-11	9.49E-11
RP11-477D19.2	-3.04	1.37E-11	9.51E-11
KANTR	-2.22	1.37E-11	9.51E-11
TP73	1.26	1.37E-11	9.51E-11
KIF2A	-0.76	1.37E-11	9.52E-11
AC009505.2	-3.75	1.37E-11	9.53E-11
CLIC1	0.91	1.38E-11	9.56E-11
CPPED1	0.93	1.38E-11	9.60E-11
FOSL1	2.81	1.38E-11	9.61E-11
SAYSD1	0.80	1.39E-11	9.63E-11
YTHDF1	0.64	1.39E-11	9.66E-11
RP11-996F15.6	-2.41	1.41E-11	9.80E-11
NUDT5	-0.59	1.42E-11	9.83E-11
PWWP2B	1.20	1.42E-11	9.83E-11
ANP32A	1.20	1.42E-11	9.84E-11
RP1-30M3.6	-2.64	1.42E-11	9.84E-11
PRDM10	-0.81	1.42E-11	9.84E-11
IL6	8.12	1.42E-11	9.87E-11
HCFC1R1	0.98	1.43E-11	9.91E-11
PI4K2A	0.84	1.43E-11	9.92E-11

CLTC	-0.79	1.43E-11	9.92E-11
CPEB3	-1.05	1.44E-11	9.95E-11
NLGN1	-1.87	1.46E-11	1.01E-10
SLC2A6	2.63	1.46E-11	1.01E-10
COL1A1	4.02	1.46E-11	1.01E-10
COQ9	0.77	1.46E-11	1.01E-10
C1orf112	-1.18	1.48E-11	1.02E-10
FAT2	-1.13	1.48E-11	1.02E-10
DUSP15	4.47	1.48E-11	1.02E-10
ULK4	-1.53	1.49E-11	1.03E-10
GUCY1A3	2.51	1.49E-11	1.03E-10
C15orf39	1.33	1.50E-11	1.04E-10
CTC-448F2.4	-7.06	1.51E-11	1.04E-10
ZFYVE28	1.20	1.51E-11	1.04E-10
FAM102A	1.40	1.51E-11	1.04E-10
CTD-2382E5.2	-3.53	1.53E-11	1.06E-10
HID1	2.14	1.53E-11	1.06E-10
ZFPM1	1.26	1.54E-11	1.06E-10
KIF1A	-2.96	1.55E-11	1.07E-10
NELFCD	0.61	1.56E-11	1.08E-10
HABP4	1.36	1.57E-11	1.08E-10
ZNF618	1.26	1.58E-11	1.09E-10
ALG6	-0.68	1.59E-11	1.09E-10
IPP	-0.80	1.59E-11	1.10E-10
ARNTL	-1.96	1.61E-11	1.11E-10
G32140	-2.91	1.61E-11	1.11E-10
C9orf69	0.87	1.61E-11	1.11E-10
PAPD4	-0.68	1.61E-11	1.11E-10
HCN2	1.97	1.62E-11	1.11E-10
RP13-516M14.1	2.21	1.62E-11	1.12E-10
CTC-251D13.1	-2.33	1.63E-11	1.12E-10
ARAP1	1.02	1.63E-11	1.12E-10
SRFBP1	-0.94	1.63E-11	1.12E-10
RP11-252C24.3	-7.48	1.63E-11	1.12E-10
PUS1	1.32	1.63E-11	1.12E-10
RP11-1069G10.1	-4.46	1.65E-11	1.13E-10
FOXP1-IT1	-3.13	1.65E-11	1.13E-10
TAF6L	0.91	1.65E-11	1.13E-10
POU2F3	-1.55	1.65E-11	1.14E-10
CTD-2528L19.6	-1.71	1.66E-11	1.14E-10
RP11-57H12.5	-3.27	1.66E-11	1.14E-10
TAF2	-0.57	1.66E-11	1.14E-10
APPBP2	-0.79	1.68E-11	1.15E-10
NDC1	-1.01	1.69E-11	1.16E-10
CRLF3	-0.76	1.69E-11	1.16E-10

RP11-631M6.2	3.30	1.69E-11	1.16E-10
RPS6KA1	0.83	1.69E-11	1.16E-10
LDB3	1.83	1.69E-11	1.16E-10
NUDT13	-1.41	1.70E-11	1.17E-10
CCNE2	-1.14	1.71E-11	1.17E-10
RPL7P9	1.41	1.72E-11	1.18E-10
AC093110.3	-2.27	1.72E-11	1.18E-10
RRNAD1	0.80	1.73E-11	1.18E-10
MRPL24	0.86	1.73E-11	1.18E-10
ARMCX6	1.23	1.73E-11	1.19E-10
KIAA0930	0.73	1.74E-11	1.19E-10
PRND	7.40	1.75E-11	1.20E-10
LRRC37A15P	-3.10	1.76E-11	1.20E-10
ZNF600	-1.11	1.76E-11	1.21E-10
ZNF302	-0.91	1.77E-11	1.21E-10
RP11-343L5.2	-3.08	1.77E-11	1.21E-10
ATG14	-0.80	1.78E-11	1.21E-10
LSM14B	0.57	1.79E-11	1.23E-10
SCO1	-0.51	1.83E-11	1.25E-10
FBXO28	-1.15	1.83E-11	1.25E-10
MDGA2	-2.33	1.84E-11	1.26E-10
NSMCE1	1.01	1.85E-11	1.26E-10
KCTD21	1.47	1.85E-11	1.26E-10
SLC39A9	-0.63	1.85E-11	1.27E-10
SLC25A5	1.03	1.86E-11	1.27E-10
HSP90B2P	-3.81	1.88E-11	1.28E-10
SLC9A1	1.73	1.88E-11	1.28E-10
IREB2	-0.75	1.89E-11	1.29E-10
LY6G6C	1.96	1.91E-11	1.30E-10
SYVN1	1.23	1.92E-11	1.31E-10
KIF19	4.97	1.93E-11	1.31E-10
SMAD1-AS2	-7.18	1.93E-11	1.32E-10
CBL	-0.84	1.94E-11	1.32E-10
G10489	-7.55	1.94E-11	1.32E-10
PPP1R37	0.87	1.95E-11	1.33E-10
IL31RA	-3.41	1.95E-11	1.33E-10
RAPGEF2	-0.69	1.95E-11	1.33E-10
G40351	-2.60	1.96E-11	1.33E-10
SNORA14A	-7.62	1.96E-11	1.33E-10
ZDHHC18	0.79	1.97E-11	1.34E-10
GAK	0.65	1.97E-11	1.34E-10
THRA	0.92	1.98E-11	1.34E-10
BCHE	-1.94	2.01E-11	1.37E-10
ELAVL1	0.51	2.01E-11	1.37E-10
SPECC1L	1.05	2.02E-11	1.37E-10

SLK	-0.80	2.02E-11	1.38E-10
MLANA	-2.13	2.04E-11	1.38E-10
RP5-940J5.6	-2.82	2.05E-11	1.39E-10
CCAR1	0.77	2.06E-11	1.40E-10
ST3GAL4	1.58	2.06E-11	1.40E-10
VAT1L	5.07	2.10E-11	1.43E-10
RIC3	-1.74	2.10E-11	1.43E-10
TMEM101	0.90	2.13E-11	1.45E-10
SLC27A1	1.31	2.13E-11	1.45E-10
RP11-973N13.4	-3.46	2.14E-11	1.45E-10
TAF4B	-1.07	2.16E-11	1.47E-10
HOXD8	2.13	2.18E-11	1.48E-10
RAP2B	0.89	2.21E-11	1.50E-10
PMVK	1.52	2.22E-11	1.50E-10
ZNF607	-1.07	2.22E-11	1.51E-10
RP11-96H17.1	-3.33	2.23E-11	1.51E-10
CTBP2P8	-3.79	2.24E-11	1.51E-10
ARHGAP4	2.38	2.26E-11	1.53E-10
PGAP3	0.73	2.26E-11	1.53E-10
NAA30	-0.95	2.27E-11	1.54E-10
IFT80	-1.03	2.28E-11	1.54E-10
SH3BP5	1.98	2.28E-11	1.55E-10
RBM25	1.16	2.30E-11	1.56E-10
CNPY4	1.35	2.31E-11	1.56E-10
SUDS3	-0.77	2.31E-11	1.56E-10
PCIF1	1.09	2.32E-11	1.57E-10
CHMP1B2P	-3.05	2.33E-11	1.57E-10
PFDN6	1.00	2.33E-11	1.57E-10
PIGF	-1.33	2.33E-11	1.57E-10
FAM184A	-1.92	2.36E-11	1.60E-10
TNPO1	-0.81	2.36E-11	1.60E-10
DAD1	1.16	2.38E-11	1.60E-10
RCBTB2	1.19	2.38E-11	1.61E-10
ARL4AP1	-7.41	2.38E-11	1.61E-10
RP1-68D18.4	-2.40	2.39E-11	1.61E-10
HMGN2P5	1.27	2.40E-11	1.62E-10
CLIC6	3.36	2.41E-11	1.62E-10
ZNF256	-1.34	2.42E-11	1.63E-10
OTUD6B	-0.87	2.44E-11	1.64E-10
HP	4.24	2.44E-11	1.65E-10
G21031	-5.25	2.46E-11	1.66E-10
ATXN1	-0.66	2.48E-11	1.67E-10
DHRS4-AS1	1.00	2.48E-11	1.67E-10
SEC13	0.85	2.48E-11	1.67E-10
PTGFRN	0.69	2.50E-11	1.68E-10

RP11-775C24.5	1.43	2.51E-11	1.69E-10
RPS10	-2.15	2.52E-11	1.69E-10
INPP4B	-1.24	2.52E-11	1.69E-10
PROX2	-2.90	2.53E-11	1.70E-10
RP11-229D13.3	-3.13	2.53E-11	1.70E-10
RP11-363E7.4	-1.41	2.54E-11	1.71E-10
GREM2	-2.68	2.56E-11	1.72E-10
PLXDC1	2.53	2.60E-11	1.75E-10
DDX18P1	-4.58	2.60E-11	1.75E-10
SETD7	-0.79	2.62E-11	1.76E-10
DCDC2B	-3.75	2.62E-11	1.76E-10
RP11-206L10.9	-2.76	2.64E-11	1.77E-10
RAB42	3.53	2.64E-11	1.77E-10
RP11-3P17.4	-3.73	2.64E-11	1.77E-10
RP11-2H3.7	-4.42	2.64E-11	1.77E-10
MMACHC	-0.98	2.65E-11	1.78E-10
CLEC3B	-2.49	2.65E-11	1.78E-10
AC008937.2	-7.23	2.67E-11	1.79E-10
FAM175A	-0.87	2.68E-11	1.80E-10
ZNF24	-0.82	2.69E-11	1.80E-10
NAP1L4	0.71	2.69E-11	1.80E-10
ZGPAT	1.51	2.69E-11	1.80E-10
JMJD6	1.04	2.70E-11	1.81E-10
MRPL51	1.16	2.70E-11	1.81E-10
ZDHHC7	0.62	2.71E-11	1.81E-10
B3GNT2	1.00	2.75E-11	1.84E-10
LRRC16A	-0.86	2.77E-11	1.85E-10
TMEM79	1.21	2.77E-11	1.85E-10
RP11-503E24.2	-2.67	2.77E-11	1.85E-10
RUFY2	-0.64	2.78E-11	1.86E-10
CD300LG	3.43	2.78E-11	1.86E-10
FAM153A	-3.18	2.81E-11	1.88E-10
UBAP2L	0.61	2.81E-11	1.88E-10
RIPK4	1.14	2.81E-11	1.88E-10
SP4	-1.41	2.82E-11	1.88E-10
CRCT1	2.20	2.82E-11	1.89E-10
CCND1	-1.60	2.83E-11	1.89E-10
CTD-2501E16.2	-5.14	2.86E-11	1.91E-10
PIGS	0.75	2.87E-11	1.92E-10
USP19	0.66	2.88E-11	1.92E-10
THBD	1.44	2.89E-11	1.93E-10
GABRA4	-4.57	2.90E-11	1.93E-10
G2520	-2.28	2.90E-11	1.93E-10
MED22	0.94	2.91E-11	1.94E-10
RNU6-167P	-7.23	2.92E-11	1.95E-10

STAG2	-0.95	2.94E-11	1.96E-10
FUT3	2.99	2.98E-11	1.98E-10
POFUT2	1.77	3.01E-11	2.00E-10
COMMD1	0.86	3.03E-11	2.02E-10
SLC25A26	0.64	3.03E-11	2.02E-10
NT5DC3	-1.15	3.03E-11	2.02E-10
RINT1	-0.63	3.04E-11	2.02E-10
GEMIN5	-0.75	3.04E-11	2.03E-10
PCP4L1	2.71	3.04E-11	2.03E-10
ZDHHC13	-0.92	3.09E-11	2.05E-10
SMARCAD1	-0.93	3.12E-11	2.08E-10
RP5-916O11.3	-7.46	3.16E-11	2.10E-10
TFCP2	0.73	3.16E-11	2.10E-10
ALDH3B1	1.86	3.19E-11	2.12E-10
LCLAT1	-0.83	3.20E-11	2.12E-10
MSL2	-0.53	3.20E-11	2.13E-10
CCT7	0.97	3.23E-11	2.15E-10
SNORD12B	-4.24	3.25E-11	2.16E-10
RP11-218C14.5	-7.23	3.25E-11	2.16E-10
PDE6A	-6.08	3.25E-11	2.16E-10
OSBPL7	2.19	3.26E-11	2.16E-10
IPO13	0.99	3.28E-11	2.17E-10
HMBS	1.26	3.28E-11	2.18E-10
SLITRK6	-1.40	3.29E-11	2.18E-10
MRPL42	-0.96	3.31E-11	2.19E-10
KRT18P31	-7.01	3.32E-11	2.20E-10
CHST7	2.07	3.32E-11	2.20E-10
PDGFRB	2.87	3.34E-11	2.21E-10
SLC29A4	2.08	3.36E-11	2.23E-10
AC006116.19	-4.28	3.39E-11	2.24E-10
COL4A4	3.91	3.42E-11	2.27E-10
RER1	0.65	3.43E-11	2.27E-10
TMEM53	1.30	3.45E-11	2.29E-10
MAP3K6	1.15	3.51E-11	2.33E-10
ZNF213	1.27	3.52E-11	2.33E-10
SNRPB	1.08	3.52E-11	2.33E-10
DOK7	-3.26	3.53E-11	2.33E-10
ASB14	-1.98	3.55E-11	2.35E-10
WDR5B	-0.98	3.58E-11	2.37E-10
AMOTL1	-0.73	3.59E-11	2.37E-10
RP5-1042I8.7	-1.40	3.61E-11	2.39E-10
AC092171.2	-3.34	3.62E-11	2.39E-10
FRS3	2.06	3.63E-11	2.40E-10
KRT16P3	3.82	3.64E-11	2.40E-10
RP11-797A18.5	-5.26	3.67E-11	2.42E-10

CTTN	0.59	3.68E-11	2.43E-10
RC3H1-IT1	-7.15	3.72E-11	2.46E-10
HMGCL	1.02	3.72E-11	2.46E-10
RGS9	-2.29	3.73E-11	2.46E-10
IFNK	-7.04	3.73E-11	2.46E-10
TMEM104	1.26	3.74E-11	2.47E-10
SYNCRIP	-0.85	3.75E-11	2.47E-10
XLOC_007718	-3.12	3.76E-11	2.48E-10
AP4M1	1.04	3.78E-11	2.49E-10
ERCC4	-0.89	3.79E-11	2.50E-10
POLR1D	0.83	3.80E-11	2.51E-10
KLK10	1.44	3.81E-11	2.51E-10
CCDC62	-2.21	3.82E-11	2.52E-10
ZNRD1-AS1	-2.00	3.85E-11	2.53E-10
IRAK1BP1	-1.01	3.86E-11	2.54E-10
FMOD	2.73	3.86E-11	2.54E-10
TRNT1	-0.78	3.87E-11	2.54E-10
TMEM102	1.02	3.93E-11	2.59E-10
SLC16A9	3.25	3.96E-11	2.60E-10
RP4-625H18.2	-2.51	3.96E-11	2.61E-10
LINC00623	2.81	4.00E-11	2.63E-10
RP11-797A18.6	-3.72	4.01E-11	2.64E-10
CPSF2	-0.81	4.02E-11	2.65E-10
RP11-536O18.1	4.28	4.03E-11	2.65E-10
CDHR5	-4.69	4.05E-11	2.66E-10
FTO	-0.79	4.06E-11	2.67E-10
FOXO1	-0.81	4.11E-11	2.70E-10
RP11-44I10.3	-2.83	4.11E-11	2.70E-10
ACVRL1	2.52	4.13E-11	2.71E-10
RP11-196G11.5	-1.00	4.14E-11	2.72E-10
PPP6R2	0.68	4.15E-11	2.72E-10
COPRS	1.27	4.15E-11	2.72E-10
CHD6	-0.74	4.18E-11	2.74E-10
LZIC	-0.77	4.18E-11	2.74E-10
GS1-115G20.1	-6.28	4.19E-11	2.75E-10
CDYL2	1.63	4.20E-11	2.75E-10
ALKBH3-AS1	-2.26	4.22E-11	2.77E-10
MAPK12	2.50	4.24E-11	2.78E-10
KIAA1217	1.08	4.24E-11	2.78E-10
PSME2	0.82	4.25E-11	2.79E-10
TAPBPL	0.94	4.28E-11	2.80E-10
AVL9	-0.60	4.29E-11	2.81E-10
C22orf34	3.15	4.29E-11	2.81E-10
RPL24	1.07	4.35E-11	2.84E-10
DUSP1	2.39	4.45E-11	2.91E-10

Gene	Value	p-value	adj. p-value
HTRA1	2.08	4.47E-11	2.92E-10
G40986	-7.65	4.47E-11	2.92E-10
ADH5	1.10	4.49E-11	2.93E-10
NPTX2	2.43	4.49E-11	2.94E-10
NAT6	1.56	4.52E-11	2.95E-10
ZBTB32	-3.10	4.53E-11	2.96E-10
LMTK3	1.66	4.55E-11	2.97E-10
ABCG4	5.74	4.58E-11	2.99E-10
ELFN2	-3.88	4.58E-11	2.99E-10
ZNF594	-1.57	4.59E-11	3.00E-10
DGCR6L	1.04	4.60E-11	3.00E-10
ANKRD27	-0.48	4.62E-11	3.01E-10
SNORA71C	-4.51	4.62E-11	3.02E-10
ZSCAN16-AS1	1.94	4.63E-11	3.02E-10
IPO11	-0.70	4.67E-11	3.05E-10
NUMBL	1.72	4.68E-11	3.05E-10
RGS17	-2.28	4.73E-11	3.09E-10
GPAT3	-1.72	4.77E-11	3.11E-10
AC073333.8	-3.76	4.82E-11	3.14E-10
PABPN1	1.21	4.84E-11	3.15E-10
NOB1	0.80	4.85E-11	3.16E-10
EXOC3	0.70	4.85E-11	3.16E-10
B4GALT2	1.07	4.87E-11	3.17E-10
RP11-434P11.2	-3.46	4.88E-11	3.18E-10
FLJ20021	1.53	4.90E-11	3.19E-10
PLA2G15	0.86	4.93E-11	3.21E-10
RP11-405F3.5	-7.12	4.93E-11	3.21E-10
MATN2	-1.10	4.93E-11	3.21E-10
RP11-231E19.1	-4.85	4.94E-11	3.22E-10
RP11-506K6.4	-2.55	4.95E-11	3.22E-10
SEMA6C	1.63	4.96E-11	3.22E-10
LEPROT	0.78	5.00E-11	3.25E-10
RARRES3	2.12	5.04E-11	3.27E-10
TBX4	4.90	5.04E-11	3.28E-10
KIAA1468	-0.80	5.05E-11	3.28E-10
COX5A	0.97	5.06E-11	3.29E-10
CTC-327F10.4	-2.25	5.15E-11	3.34E-10
VCAM1	3.14	5.15E-11	3.35E-10
TRIM14	1.22	5.20E-11	3.37E-10
CCDC153	1.53	5.21E-11	3.38E-10
ZKSCAN8	-0.83	5.23E-11	3.39E-10
INTS5	0.93	5.23E-11	3.39E-10
MMGT1	-0.78	5.35E-11	3.47E-10
RP5-1142A6.2	-3.23	5.36E-11	3.48E-10
AVPR1A	2.61	5.38E-11	3.48E-10

TPMTP2	-7.03	5.43E-11	3.52E-10
MLK7-AS1	-2.65	5.45E-11	3.53E-10
MRM1	1.26	5.46E-11	3.54E-10
ZNF14	-1.01	5.47E-11	3.54E-10
JAG2	0.89	5.51E-11	3.57E-10
CHSY1	0.95	5.55E-11	3.59E-10
CTA-276F8.1	-3.23	5.55E-11	3.59E-10
TFEB	1.55	5.57E-11	3.60E-10
DCTPP1	1.11	5.58E-11	3.61E-10
XXyac-YX65C7_A.2	1.91	5.59E-11	3.61E-10
MAN1C1	1.50	5.59E-11	3.62E-10
IGHMBP2	0.74	5.71E-11	3.69E-10
RBP7	1.61	5.75E-11	3.72E-10
PAX8	-2.73	5.76E-11	3.72E-10
AC007319.1	-2.54	5.78E-11	3.73E-10
PTER	-0.86	5.79E-11	3.74E-10
RP11-89H19.1	-7.26	5.84E-11	3.77E-10
CHD3	0.67	5.84E-11	3.77E-10
TEX261	0.80	5.84E-11	3.77E-10
OPN4	5.22	5.85E-11	3.77E-10
WAS	2.61	5.85E-11	3.78E-10
ZNF827	1.15	5.86E-11	3.78E-10
PPIA	1.09	5.93E-11	3.82E-10
THAP7	0.75	5.94E-11	3.83E-10
TMEM161B-AS1	-1.52	5.98E-11	3.85E-10
CIAPIN1	0.85	5.99E-11	3.86E-10
ZNF527	-0.96	6.02E-11	3.88E-10
PEX11B	0.70	6.02E-11	3.88E-10
MSANTD3	0.94	6.02E-11	3.88E-10
B4GALT5	1.12	6.04E-11	3.89E-10
SH2B2	1.77	6.05E-11	3.90E-10
GGA1	0.85	6.13E-11	3.95E-10
RP11-395I6.3	-1.70	6.23E-11	4.01E-10
FUBP3	0.66	6.23E-11	4.01E-10
CCL2	2.71	6.27E-11	4.04E-10
IARS	-0.87	6.28E-11	4.04E-10
CREM	1.36	6.29E-11	4.05E-10
TSPAN1	2.36	6.34E-11	4.08E-10
CLIP2	1.04	6.36E-11	4.09E-10
CFAP97	-0.95	6.38E-11	4.10E-10
MACROD1	1.12	6.41E-11	4.12E-10
GLTSCR1	2.21	6.42E-11	4.13E-10
UBR4	-0.76	6.44E-11	4.14E-10
MME	4.11	6.47E-11	4.16E-10
PSAPL1	-1.55	6.48E-11	4.16E-10

G30952	-3.74	6.51E-11	4.18E-10
METTL8	-0.95	6.52E-11	4.19E-10
ITGA9-AS1	-1.55	6.53E-11	4.19E-10
C5orf30	-0.98	6.55E-11	4.20E-10
C19orf66	1.29	6.66E-11	4.28E-10
G26246	-4.77	6.74E-11	4.33E-10
SEC24A	-0.81	6.75E-11	4.33E-10
LRRC37A6P	-2.36	6.80E-11	4.36E-10
RP11-731D1.4	-2.23	6.82E-11	4.37E-10
WDR66	2.59	6.89E-11	4.42E-10
RP5-1112D6.8	-2.13	6.91E-11	4.43E-10
SMG1P7	-1.80	6.92E-11	4.43E-10
GATC	-0.66	6.94E-11	4.44E-10
KCNQ1	2.50	7.01E-11	4.49E-10
BRINP1	3.94	7.01E-11	4.49E-10
ZNF75BP	-7.26	7.02E-11	4.49E-10
RP11-824M15.3	-4.16	7.05E-11	4.51E-10
DCXR	1.25	7.11E-11	4.55E-10
RP11-143J12.3	-3.59	7.11E-11	4.55E-10
HOOK2	1.30	7.14E-11	4.57E-10
RP11-864I4.3	-2.49	7.17E-11	4.58E-10
RP11-370I10.12	-5.68	7.21E-11	4.61E-10
AWAT1	-8.38	7.23E-11	4.63E-10
GOLGA2	0.73	7.25E-11	4.63E-10
USP1	-0.92	7.28E-11	4.65E-10
NCAPH2	0.73	7.33E-11	4.68E-10
FOXE1	2.69	7.35E-11	4.69E-10
CSRNP1	1.22	7.35E-11	4.70E-10
PNPLA3	-2.10	7.36E-11	4.70E-10
AL109767.1	-6.92	7.37E-11	4.70E-10
MLKL	1.49	7.50E-11	4.79E-10
CSPG4P11	-2.41	7.58E-11	4.84E-10
PPP1R13L	1.44	7.63E-11	4.87E-10
WNT11	2.53	7.63E-11	4.87E-10
GTPBP10	-0.85	7.67E-11	4.89E-10
SLC2A12	-1.84	7.69E-11	4.90E-10
KCTD2	0.84	7.71E-11	4.91E-10
RDH16	2.15	7.76E-11	4.95E-10
RP11-274B21.14	-1.77	7.81E-11	4.98E-10
GNG7	1.93	7.87E-11	5.02E-10
EEF1A1P13	-1.86	7.89E-11	5.03E-10
XLOC_006645	-1.88	7.96E-11	5.07E-10
MAP3K3	0.84	7.96E-11	5.07E-10
GOLT1B	-1.05	7.97E-11	5.08E-10
ACSM6	-4.39	7.98E-11	5.08E-10

ANKRD50	-1.06	8.02E-11	5.10E-10
LINC01125	-2.16	8.05E-11	5.12E-10
PRSS36	1.46	8.10E-11	5.15E-10
CA9	4.00	8.11E-11	5.16E-10
SLC24A3	1.02	8.13E-11	5.17E-10
SPON1	3.21	8.13E-11	5.17E-10
PLA2G4A	-1.03	8.13E-11	5.17E-10
DENND4B	1.38	8.17E-11	5.19E-10
HAUS5	0.87	8.19E-11	5.20E-10
EEF1A1P19	-1.97	8.19E-11	5.21E-10
ALAD	0.85	8.21E-11	5.22E-10
ALK	-3.32	8.24E-11	5.23E-10
RP5-850O15.3	-7.04	8.24E-11	5.23E-10
STIM1	0.66	8.26E-11	5.24E-10
CHRD	2.51	8.27E-11	5.25E-10
SLMAP	-0.65	8.28E-11	5.25E-10
RHOBTB2	1.55	8.32E-11	5.28E-10
KRT8P38	-3.03	8.46E-11	5.37E-10
ARHGEF25	2.31	8.47E-11	5.37E-10
OLFM1	1.58	8.51E-11	5.40E-10
DSG1-AS1	-3.30	8.53E-11	5.41E-10
CNTNAP2	3.70	8.53E-11	5.41E-10
PIGBOS1	1.15	8.56E-11	5.43E-10
KLHL35	1.56	8.59E-11	5.44E-10
SLC2A13	-1.56	8.60E-11	5.45E-10
ZNF189	-0.89	8.62E-11	5.46E-10
IMP4	0.73	8.71E-11	5.51E-10
XLOC_012057	3.64	8.86E-11	5.61E-10
AF129075.5	-2.47	8.89E-11	5.63E-10
CLDN7	2.98	8.90E-11	5.63E-10
TLE3	1.02	9.01E-11	5.70E-10
SAV1	0.84	9.09E-11	5.75E-10
XYLT2	0.78	9.15E-11	5.79E-10
PPP4R2	-0.81	9.15E-11	5.79E-10
RP11-393I2.2	-7.10	9.35E-11	5.91E-10
AC009303.1	-6.63	9.35E-11	5.91E-10
PSEN1	-0.59	9.38E-11	5.93E-10
TMPO	-0.90	9.39E-11	5.93E-10
FBXL14	1.23	9.49E-11	6.00E-10
RRAGA	0.75	9.59E-11	6.05E-10
C6orf163	-2.13	9.59E-11	6.05E-10
DEAR	-4.10	9.65E-11	6.09E-10
CBX2	1.28	9.68E-11	6.11E-10
FZD3	-1.03	9.69E-11	6.12E-10
TSHZ3	2.46	9.71E-11	6.13E-10

BNIP3P39	-5.86	9.83E-11	6.20E-10
NKG7	3.10	9.83E-11	6.20E-10
YBX3	0.93	9.84E-11	6.20E-10
LRP4-AS1	-2.85	9.97E-11	6.28E-10
RP4-639F20.1	2.20	9.99E-11	6.30E-10
KRAS	-0.76	1.00E-10	6.30E-10
G22214	3.13	1.00E-10	6.30E-10
MRPL54	1.15	1.00E-10	6.31E-10
GSTCD	-0.80	1.00E-10	6.32E-10
SCARNA3	-4.57	1.01E-10	6.33E-10
MSANTD4	-0.81	1.01E-10	6.34E-10
SNU13	0.84	1.01E-10	6.36E-10
CCDC85C	1.08	1.01E-10	6.37E-10
SHISA8	3.48	1.02E-10	6.39E-10
POLM	1.50	1.02E-10	6.40E-10
CENPF	-1.35	1.02E-10	6.40E-10
ACTR5	0.73	1.02E-10	6.41E-10
RP11-27M24.2	-4.29	1.02E-10	6.41E-10
ARHGAP10	-0.61	1.02E-10	6.41E-10
THAP7-AS1	1.66	1.02E-10	6.41E-10
ZMIZ2	1.37	1.02E-10	6.42E-10
FXR2	0.73	1.02E-10	6.43E-10
BLVRB	1.18	1.04E-10	6.51E-10
SLC10A5	-3.57	1.04E-10	6.54E-10
CAP1	0.93	1.05E-10	6.61E-10
ALDH6A1	-1.30	1.06E-10	6.65E-10
DNAJC5	0.81	1.07E-10	6.69E-10
PSMC5	0.76	1.07E-10	6.72E-10
DNM1L	-0.58	1.07E-10	6.74E-10
KIAA1033	-0.75	1.08E-10	6.75E-10
TAS2R31	-3.73	1.08E-10	6.79E-10
MIER2	0.78	1.08E-10	6.80E-10
C17orf96	1.80	1.09E-10	6.83E-10
CTD-2371O3.3	-3.29	1.09E-10	6.85E-10
PET117	-2.11	1.10E-10	6.88E-10
RP11-293M10.2	-6.92	1.10E-10	6.89E-10
RP11-25C19.3	-7.02	1.10E-10	6.89E-10
HNRNPA3	0.75	1.11E-10	6.92E-10
ANKUB1	-7.03	1.11E-10	6.93E-10
ITGB2	2.47	1.11E-10	6.93E-10
ANKHD1-EIF4EBP3	-2.57	1.11E-10	6.95E-10
RPL27	1.20	1.11E-10	6.97E-10
BRI3BP	-1.88	1.13E-10	7.07E-10
FIBP	0.72	1.13E-10	7.08E-10
COX6B1	0.93	1.14E-10	7.10E-10

FOXF2	2.29	1.15E-10	7.19E-10
ZNF221	-1.57	1.15E-10	7.21E-10
C1QTNF1	2.13	1.16E-10	7.23E-10
ZNF791	-0.63	1.16E-10	7.24E-10
PSMG3	0.83	1.16E-10	7.24E-10
SPINK9	5.21	1.16E-10	7.27E-10
C16orf58	0.84	1.17E-10	7.28E-10
AC093495.4	-2.28	1.18E-10	7.36E-10
XLOC_008747	-4.19	1.18E-10	7.38E-10
COPG1	0.61	1.18E-10	7.39E-10
PRR36	2.36	1.19E-10	7.43E-10
OAZ1	0.86	1.20E-10	7.51E-10
RP11-778H2.1	-7.29	1.22E-10	7.61E-10
ITPRIP	1.21	1.22E-10	7.61E-10
STOM	1.07	1.23E-10	7.69E-10
ZMAT5	1.22	1.24E-10	7.70E-10
CMB9-55A18.1	-4.19	1.25E-10	7.77E-10
NUTF2	0.92	1.25E-10	7.79E-10
PLAT	1.90	1.27E-10	7.90E-10
FYB	2.35	1.27E-10	7.92E-10
INPPL1	1.26	1.27E-10	7.92E-10
PCDHGA11	-1.23	1.27E-10	7.93E-10
WFDC1	3.54	1.27E-10	7.93E-10
SH3D19	-0.73	1.28E-10	7.95E-10
RNASEH2A	1.19	1.28E-10	7.98E-10
EIF3J-AS1	1.02	1.29E-10	8.03E-10
SLC4A11	2.39	1.30E-10	8.06E-10
ATL1	-1.00	1.30E-10	8.08E-10
C15orf56	-1.98	1.30E-10	8.09E-10
UBE2E3	0.81	1.31E-10	8.14E-10
ZNF468	-0.92	1.31E-10	8.17E-10
ITGB6	1.69	1.31E-10	8.17E-10
ARGFXP2	-3.70	1.32E-10	8.18E-10
SRP72P2	-6.92	1.33E-10	8.24E-10
NFYC	0.59	1.34E-10	8.29E-10
ERVW-1	-3.34	1.34E-10	8.31E-10
FOXP2	-1.42	1.34E-10	8.34E-10
RP11-267M23.1	-1.72	1.35E-10	8.36E-10
CTC-444N24.8	-1.13	1.35E-10	8.36E-10
SLC35A3	-0.74	1.35E-10	8.36E-10
RGS20	1.88	1.35E-10	8.37E-10
AL450992.2	-1.89	1.36E-10	8.44E-10
RAB33B	-0.87	1.37E-10	8.47E-10
PRNCR1	-4.66	1.37E-10	8.47E-10
RP11-173A16.1	-3.43	1.38E-10	8.53E-10

INHBA	3.24	1.38E-10	8.58E-10
SOX15	1.21	1.39E-10	8.61E-10
RP3-368A4.5	-1.88	1.39E-10	8.63E-10
VAMP8	1.15	1.39E-10	8.64E-10
KIDINS220	-0.54	1.40E-10	8.67E-10
TEDDM1	-3.11	1.41E-10	8.70E-10
F8A1	1.99	1.41E-10	8.72E-10
GPC4	1.85	1.41E-10	8.73E-10
PSMC1	0.99	1.42E-10	8.82E-10
SFRP4	6.35	1.43E-10	8.83E-10
COL12A1	3.07	1.44E-10	8.91E-10
ID4	-1.21	1.46E-10	9.00E-10
ZBTB4	0.74	1.47E-10	9.07E-10
RP11-326C3.7	3.14	1.48E-10	9.12E-10
RP13-216E22.4	-2.42	1.49E-10	9.19E-10
RP11-631M21.7	-7.14	1.51E-10	9.33E-10
SLC27A2	-4.28	1.51E-10	9.33E-10
SVBP	1.24	1.52E-10	9.38E-10
ZC3H7B	0.58	1.53E-10	9.44E-10
Z73979.1	4.88	1.53E-10	9.44E-10
EPGN	4.47	1.53E-10	9.47E-10
RN7SL128P	-7.33	1.54E-10	9.48E-10
ZNF169	-1.45	1.54E-10	9.53E-10
C1orf95	-1.49	1.55E-10	9.53E-10
PRSS8	1.11	1.55E-10	9.54E-10
ADGRF4	-1.31	1.55E-10	9.55E-10
TEKT3	-2.26	1.56E-10	9.61E-10
WDR63	-2.01	1.56E-10	9.63E-10
MMP13	4.18	1.57E-10	9.69E-10
RP11-356K23.1	-3.27	1.57E-10	9.70E-10
MICALCL	-1.43	1.57E-10	9.70E-10
GNPDA1	1.08	1.58E-10	9.71E-10
TDRP	1.54	1.58E-10	9.71E-10
TOMM5	-1.66	1.58E-10	9.71E-10
ATP1B1P1	-6.95	1.58E-10	9.72E-10
RPL13A	0.88	1.59E-10	9.76E-10
AHCY	0.91	1.59E-10	9.81E-10
SETD8	0.76	1.59E-10	9.81E-10
GPR82	-1.99	1.62E-10	9.95E-10
DYRK3	1.78	1.62E-10	9.95E-10
USP46	-0.76	1.62E-10	9.95E-10
HPS5	-0.61	1.62E-10	9.96E-10
MOB3A	1.13	1.62E-10	9.97E-10
CDC73	-0.74	1.62E-10	9.97E-10
AC092641.2	-6.94	1.64E-10	1.01E-09

CLCA2	1.21	1.65E-10	1.01E-09
FASTKD3	-0.83	1.65E-10	1.01E-09
ZNF227	-0.71	1.66E-10	1.02E-09
LRRC75B	1.65	1.67E-10	1.02E-09
SOBP	2.47	1.67E-10	1.03E-09
RP11-466H18.1	1.29	1.67E-10	1.03E-09
MNT	1.61	1.67E-10	1.03E-09
CYCSP38	-7.02	1.69E-10	1.04E-09
LRRC19	-2.93	1.69E-10	1.04E-09
LINC00894	-2.44	1.69E-10	1.04E-09
RP11-395I14.2	-3.09	1.69E-10	1.04E-09
CCDC86	1.23	1.69E-10	1.04E-09
ODCP	-3.57	1.71E-10	1.05E-09
SRSF4	0.68	1.71E-10	1.05E-09
CASP16P	-2.91	1.71E-10	1.05E-09
EEF1DP3	-1.81	1.71E-10	1.05E-09
MIIP	1.24	1.73E-10	1.06E-09
CMB9-22P13.1	2.99	1.73E-10	1.06E-09
ACSBG1	-3.74	1.74E-10	1.07E-09
XLOC_008981	-4.37	1.76E-10	1.07E-09
AC012360.6	-2.81	1.76E-10	1.08E-09
CTB-33O18.1	5.62	1.78E-10	1.09E-09
EIF3B	0.64	1.78E-10	1.09E-09
KIZ-AS1	-4.23	1.78E-10	1.09E-09
ATP5F1P1	-6.94	1.79E-10	1.09E-09
RP3-496C20.1	-4.60	1.80E-10	1.10E-09
HOXC10	2.52	1.80E-10	1.10E-09
PHGDH	1.52	1.80E-10	1.10E-09
NT5M	1.50	1.80E-10	1.10E-09
CTD-2622I13.3	-3.98	1.80E-10	1.10E-09
LHFP	1.75	1.81E-10	1.11E-09
TSGA10	-1.10	1.82E-10	1.11E-09
POM121L9P	4.48	1.82E-10	1.11E-09
RAI14	-1.23	1.83E-10	1.12E-09
AC008277.1	-6.02	1.84E-10	1.12E-09
CTC-344H19.6	-7.20	1.84E-10	1.12E-09
RP11-166P13.4	-4.86	1.84E-10	1.13E-09
NPLOC4	0.58	1.85E-10	1.13E-09
PDDC1	0.93	1.86E-10	1.13E-09
C18orf8	-0.57	1.87E-10	1.14E-09
ZRANB2-AS1	-4.93	1.88E-10	1.15E-09
RP11-981P6.1	-2.71	1.89E-10	1.15E-09
E2F3	0.91	1.89E-10	1.15E-09
CCDC64B	1.22	1.92E-10	1.17E-09
PM20D2	-0.97	1.94E-10	1.18E-09

Gene	Value	p-value	q-value
SNAPC4	1.07	1.95E-10	1.19E-09
RP11-61L19.1	-3.80	1.95E-10	1.19E-09
CTBP2	0.85	1.95E-10	1.19E-09
XLOC_005050	-2.28	1.96E-10	1.19E-09
HYAL4	3.97	1.96E-10	1.19E-09
CALHM2	1.91	1.96E-10	1.19E-09
ANKRD65	1.72	1.97E-10	1.20E-09
ZDHHC23	-1.47	1.97E-10	1.20E-09
RP1-283E3.8	-2.38	1.98E-10	1.20E-09
MICAL2	-1.09	2.01E-10	1.22E-09
CTB-92J24.2	-2.00	2.03E-10	1.23E-09
ELF3	2.59	2.03E-10	1.23E-09
C21orf91-OT1	-6.87	2.03E-10	1.23E-09
GRHL1	-0.86	2.04E-10	1.24E-09
EPHB1	-1.63	2.04E-10	1.24E-09
PCDHGB9P	-4.23	2.04E-10	1.24E-09
PLPP1	1.08	2.05E-10	1.24E-09
C3orf17	-0.52	2.06E-10	1.25E-09
CYP1A1	-5.67	2.06E-10	1.25E-09
CFLAR	-0.57	2.06E-10	1.25E-09
CRBN	-0.73	2.06E-10	1.25E-09
RP3-425C14.4	-1.20	2.08E-10	1.26E-09
AC009970.1	-4.17	2.08E-10	1.26E-09
CD1D	4.60	2.09E-10	1.27E-09
LCMT1	0.86	2.10E-10	1.27E-09
SH2B3	1.97	2.10E-10	1.27E-09
ABRA	-4.14	2.12E-10	1.28E-09
FAM207A	1.37	2.12E-10	1.28E-09
AP001429.1	-4.02	2.12E-10	1.29E-09
SMARCA4	0.81	2.13E-10	1.29E-09
RP1-224A6.9	-3.11	2.13E-10	1.29E-09
ANKRD28	-0.59	2.14E-10	1.29E-09
CD74	1.99	2.14E-10	1.29E-09
ZNF439	-1.12	2.14E-10	1.30E-09
ZNF829	-0.92	2.14E-10	1.30E-09
CTD-2024I7.13	-7.14	2.15E-10	1.30E-09
TMX2P1	-0.87	2.15E-10	1.30E-09
ASIC1	2.18	2.16E-10	1.30E-09
FBXL7	2.53	2.16E-10	1.30E-09
XLOC_000610	-1.60	2.16E-10	1.31E-09
MAP1LC3A	1.37	2.17E-10	1.31E-09
MMP19	2.42	2.17E-10	1.31E-09
RNVU1-18	-7.15	2.19E-10	1.32E-09
CTD-2530H12.2	-3.64	2.19E-10	1.32E-09
ERVH48-1	-3.54	2.21E-10	1.33E-09

GMPR2	0.72	2.24E-10	1.35E-09
CTD-2017D11.2	-2.74	2.24E-10	1.35E-09
ZNF725P	-7.30	2.24E-10	1.35E-09
XLOC_013541	5.12	2.27E-10	1.37E-09
AC008074.3	-2.46	2.29E-10	1.38E-09
ZC3HAV1L	-1.12	2.29E-10	1.38E-09
SLC26A5	-2.54	2.30E-10	1.39E-09
EDIL3	-1.58	2.30E-10	1.39E-09
GMPPB	1.10	2.31E-10	1.39E-09
PRPF19	0.87	2.31E-10	1.39E-09
RHOV	1.26	2.33E-10	1.41E-09
PDZD11	0.95	2.34E-10	1.41E-09
FBXL19	1.13	2.35E-10	1.42E-09
RP11-380G5.2	-4.31	2.36E-10	1.42E-09
RPS12P26	-3.61	2.36E-10	1.42E-09
NAA10	1.17	2.36E-10	1.42E-09
PP14571	-3.20	2.37E-10	1.43E-09
RP11-138A9.1	-3.33	2.37E-10	1.43E-09
RP11-52A20.2	-4.01	2.37E-10	1.43E-09
FLT3	-2.38	2.42E-10	1.45E-09
RAD9A	1.48	2.42E-10	1.46E-09
RP11-57H14.4	-0.92	2.42E-10	1.46E-09
HCRTR1	-5.08	2.44E-10	1.47E-09
RP11-400F19.12	-3.42	2.44E-10	1.47E-09
DENND5A	1.24	2.44E-10	1.47E-09
IKBIP	1.77	2.44E-10	1.47E-09
MCRS1	0.85	2.45E-10	1.47E-09
EXOC2	-0.67	2.46E-10	1.48E-09
AC006019.3	-7.27	2.46E-10	1.48E-09
SNORA75	-4.52	2.46E-10	1.48E-09
ST8SIA2	3.95	2.48E-10	1.49E-09
ADAMTS2	2.95	2.53E-10	1.52E-09
RASSF7	1.10	2.54E-10	1.52E-09
FAM227A	-2.66	2.54E-10	1.53E-09
ERVMER34-1	2.24	2.56E-10	1.53E-09
NDUFAF5	-0.60	2.56E-10	1.54E-09
RASA3	1.62	2.58E-10	1.55E-09
RP11-99A1.2	-6.82	2.59E-10	1.55E-09
DPAGT1	1.08	2.59E-10	1.55E-09
FGF11	1.82	2.61E-10	1.56E-09
RP11-16C1.2	-3.90	2.62E-10	1.57E-09
HERC4	-0.71	2.63E-10	1.57E-09
SYT2	-4.47	2.64E-10	1.58E-09
DCAF10	-0.67	2.66E-10	1.59E-09
LIPN	-1.95	2.66E-10	1.59E-09

Gene	Value	P-value	Adj. P-value
HEMGN	-6.83	2.67E-10	1.60E-09
ANGPTL3	-6.84	2.69E-10	1.61E-09
ZNF518B	-0.93	2.69E-10	1.61E-09
RP11-74C1.4	-4.15	2.69E-10	1.61E-09
PDIA4	0.97	2.71E-10	1.62E-09
RP11-600F24.7	-1.79	2.71E-10	1.62E-09
G10911	-2.30	2.72E-10	1.62E-09
LEAP2	-2.23	2.72E-10	1.63E-09
QPCTL	1.20	2.75E-10	1.64E-09
IQSEC2	1.40	2.76E-10	1.65E-09
ETF1P2	-6.76	2.76E-10	1.65E-09
PRR33	-2.92	2.77E-10	1.65E-09
SEC61B	1.03	2.77E-10	1.66E-09
RP11-58K22.4	-2.97	2.80E-10	1.67E-09
C10orf35	2.08	2.81E-10	1.67E-09
ANKRD46	-0.97	2.81E-10	1.67E-09
ANLN	-1.28	2.81E-10	1.68E-09
FAM185A	-0.78	2.82E-10	1.68E-09
RP11-374P20.4	-6.86	2.82E-10	1.68E-09
CALB1	-3.82	2.82E-10	1.68E-09
SNX29P1	-2.97	2.83E-10	1.69E-09
POMT2	1.03	2.84E-10	1.69E-09
HEXIM2	-1.88	2.84E-10	1.69E-09
SPOP	0.63	2.88E-10	1.72E-09
RP11-797H7.5	-3.85	2.90E-10	1.73E-09
LRRK2	-1.06	2.90E-10	1.73E-09
GTPBP3	1.33	2.90E-10	1.73E-09
SNORA46	-4.59	2.91E-10	1.73E-09
ZNF33B	-1.03	2.98E-10	1.77E-09
EPDR1	2.07	2.98E-10	1.78E-09
RP11-157G21.2	4.18	2.99E-10	1.78E-09
PGLYRP4	1.72	3.00E-10	1.79E-09
KCND1	2.79	3.03E-10	1.80E-09
C1orf105	-4.11	3.04E-10	1.81E-09
USP20	0.80	3.04E-10	1.81E-09
CTTNBP2NL	-0.74	3.06E-10	1.82E-09
SPARC	2.62	3.06E-10	1.82E-09
TMEM8B	1.17	3.13E-10	1.86E-09
RP11-290L7.5	-7.18	3.15E-10	1.87E-09
ATP2B2	-3.08	3.15E-10	1.87E-09
LDHB	1.38	3.18E-10	1.89E-09
CCDC69	1.24	3.18E-10	1.89E-09
HOMEZ	-0.68	3.19E-10	1.90E-09
AC016747.3	1.51	3.19E-10	1.90E-09
CORO7	1.60	3.19E-10	1.90E-09

NPM1P37	-4.41	3.20E-10	1.90E-09
THOC7-AS1	-4.45	3.20E-10	1.90E-09
SNORD9	-7.26	3.21E-10	1.90E-09
LINC01426	5.12	3.22E-10	1.91E-09
RP3-425C14.5	-3.38	3.23E-10	1.92E-09
NAV1	1.35	3.24E-10	1.92E-09
RP11-33B1.1	-1.38	3.26E-10	1.93E-09
CCDC94	0.86	3.30E-10	1.96E-09
RP11-583F2.5	-6.80	3.31E-10	1.96E-09
SLC2A3P4	-4.42	3.34E-10	1.98E-09
RP11-22C11.1	-5.10	3.36E-10	1.99E-09
RP11-568G11.4	-4.89	3.37E-10	2.00E-09
AF230666.2	-3.47	3.38E-10	2.00E-09
CSRNP3	-1.24	3.39E-10	2.01E-09
TMEM260	-0.91	3.41E-10	2.02E-09
RP11-492I21.1	-2.55	3.43E-10	2.03E-09
SLC30A4	-0.86	3.45E-10	2.04E-09
BRPF3	0.97	3.47E-10	2.05E-09
MYRF	-1.45	3.48E-10	2.06E-09
DKK1	3.32	3.49E-10	2.06E-09
PFKFB4	2.13	3.49E-10	2.07E-09
MICA	1.34	3.51E-10	2.07E-09
IMPG1	-2.61	3.51E-10	2.08E-09
EID2	0.92	3.52E-10	2.08E-09
DARS2	-0.74	3.57E-10	2.11E-09
RP11-697H9.2	-6.65	3.58E-10	2.11E-09
MED19	0.84	3.58E-10	2.11E-09
PLEKHA3	-0.82	3.58E-10	2.12E-09
GTF3A	0.69	3.59E-10	2.12E-09
AC093323.3	0.70	3.62E-10	2.13E-09
RNF6	-1.01	3.62E-10	2.13E-09
MBD1	0.69	3.62E-10	2.14E-09
F2RL2	2.53	3.64E-10	2.15E-09
RP11-488L18.4	-1.31	3.66E-10	2.16E-09
AK2	0.63	3.66E-10	2.16E-09
RP1-224A6.8	-6.81	3.68E-10	2.17E-09
CHTF18	1.44	3.70E-10	2.18E-09
TBC1D19	-1.14	3.75E-10	2.21E-09
CPNE3	-0.92	3.75E-10	2.21E-09
FTH1P24	-6.58	3.79E-10	2.23E-09
AL133243.1	-2.29	3.79E-10	2.23E-09
ZNF569	-0.98	3.83E-10	2.26E-09
ZNF101P2	-6.97	3.86E-10	2.27E-09
DOK2	2.84	3.89E-10	2.29E-09
RTN4RL2	2.24	3.90E-10	2.30E-09

TMEM185A	1.22	3.92E-10	2.31E-09
DIDO1	-0.55	3.92E-10	2.31E-09
STAMBPL1	-0.99	3.93E-10	2.31E-09
COA4	0.90	3.93E-10	2.31E-09
ZFPL1	1.02	3.94E-10	2.32E-09
CD200	2.18	3.94E-10	2.32E-09
TAF1C	1.57	3.97E-10	2.33E-09
TMSB4XP4	2.64	3.97E-10	2.34E-09
TRIM23	-0.90	3.99E-10	2.34E-09
RP3-468K18.6	-3.48	3.99E-10	2.34E-09
ZFC3H1	-1.20	3.99E-10	2.34E-09
RP11-557J10.3	-6.56	3.99E-10	2.35E-09
WNT5A-AS1	2.88	4.00E-10	2.35E-09
RP4-718P11.1	-6.81	4.01E-10	2.35E-09
RUFY3	-0.84	4.01E-10	2.35E-09
RP11-4B16.4	-3.62	4.02E-10	2.36E-09
MSTO1	1.23	4.02E-10	2.36E-09
TAC4	-4.08	4.05E-10	2.38E-09
ANXA11	0.76	4.06E-10	2.38E-09
MISP	3.76	4.06E-10	2.38E-09
GRIK3	3.42	4.12E-10	2.41E-09
CTD-3220F14.2	-6.61	4.16E-10	2.44E-09
CCDC107	1.88	4.16E-10	2.44E-09
TLE2	1.52	4.16E-10	2.44E-09
TMEM14A	1.19	4.17E-10	2.45E-09
NOD2	1.02	4.19E-10	2.46E-09
CCDC15	-1.13	4.21E-10	2.47E-09
SP8	-2.52	4.21E-10	2.47E-09
KIF16B	-0.75	4.22E-10	2.47E-09
MIR944	-6.81	4.27E-10	2.50E-09
RNF39	1.30	4.30E-10	2.52E-09
HIGD1B	2.86	4.32E-10	2.53E-09
ECM1	1.51	4.33E-10	2.53E-09
RP11-141B14.1	-2.76	4.34E-10	2.54E-09
MOB1A	-0.91	4.36E-10	2.55E-09
DR1	-0.85	4.36E-10	2.55E-09
MTRNR2L3	-6.70	4.36E-10	2.55E-09
RP11-521I2.3	-4.33	4.39E-10	2.56E-09
SELENBP1	1.23	4.39E-10	2.57E-09
EIF4E3	-0.81	4.40E-10	2.57E-09
CINP	0.78	4.40E-10	2.57E-09
ANO1	-1.05	4.41E-10	2.57E-09
ADAM1B	-3.24	4.44E-10	2.59E-09
PLOD2	1.72	4.44E-10	2.60E-09
RP11-680F8.4	-4.10	4.47E-10	2.61E-09

LINC00094	0.98	4.51E-10	2.63E-09
MBOAT2	-1.11	4.51E-10	2.63E-09
CEP19	1.56	4.53E-10	2.64E-09
RP11-27I1.4	-1.16	4.53E-10	2.64E-09
G26658	-3.09	4.54E-10	2.65E-09
MT-CO1	1.72	4.54E-10	2.65E-09
RRAD	3.16	4.58E-10	2.67E-09
SNORD116-16	-7.32	4.59E-10	2.68E-09
C19orf48	0.92	4.59E-10	2.68E-09
AC093673.5	2.46	4.61E-10	2.68E-09
OSMR	1.31	4.61E-10	2.69E-09
FNBP1P1	-1.68	4.62E-10	2.69E-09
RP3-382I10.7	-3.09	4.63E-10	2.70E-09
ZNF235	-0.88	4.63E-10	2.70E-09
RP11-162G10.1	-3.63	4.65E-10	2.71E-09
SPTBN2	-1.28	4.66E-10	2.71E-09
ATP13A4-AS1	-6.72	4.67E-10	2.72E-09
TSPAN18	2.26	4.70E-10	2.74E-09
RP11-120K19.3	-4.00	4.73E-10	2.75E-09
COG3	-0.58	4.73E-10	2.75E-09
ZNF341	1.03	4.74E-10	2.76E-09
FAM25A	-3.06	4.77E-10	2.77E-09
HEATR6	-0.57	4.77E-10	2.77E-09
SOCS1	2.25	4.77E-10	2.77E-09
PPP2R5D	0.52	4.77E-10	2.78E-09
RGS4	6.45	4.84E-10	2.82E-09
TMEM230	0.96	4.87E-10	2.83E-09
XLOC_004197	3.99	4.88E-10	2.84E-09
PYM1	0.96	5.01E-10	2.91E-09
RP11-392B6.1	-6.70	5.04E-10	2.93E-09
RAD18	-0.57	5.05E-10	2.93E-09
SIX1	5.56	5.05E-10	2.93E-09
VTRNA2-1	-6.93	5.06E-10	2.94E-09
ZNF426	-0.72	5.08E-10	2.95E-09
ZNF546	-1.40	5.08E-10	2.95E-09
ANGPT1	2.78	5.10E-10	2.96E-09
ECH1	1.30	5.11E-10	2.96E-09
EFCAB6	-1.27	5.12E-10	2.97E-09
PIP5KL1	1.87	5.15E-10	2.99E-09
CTB-92J24.3	-7.42	5.24E-10	3.04E-09
LSM12	0.82	5.27E-10	3.06E-09
PLXNA4	-1.80	5.28E-10	3.06E-09
ZNF710	0.77	5.31E-10	3.08E-09
RP11-299J3.8	-1.60	5.32E-10	3.08E-09
RP11-97O12.6	-2.20	5.33E-10	3.08E-09

PCSK9	2.41	5.33E-10	3.08E-09
PCDHGA8	-2.31	5.35E-10	3.09E-09
FER1L5	-2.82	5.35E-10	3.09E-09
DNAJB1	0.89	5.39E-10	3.12E-09
MIF4GD	0.90	5.42E-10	3.14E-09
G10488	-7.11	5.46E-10	3.16E-09
PSMA2	-1.07	5.48E-10	3.17E-09
CCL19	3.28	5.49E-10	3.17E-09
TMEM68	-0.82	5.50E-10	3.18E-09
SLC45A1	2.15	5.52E-10	3.19E-09
AAMP	0.78	5.54E-10	3.20E-09
CEACAM5	2.50	5.56E-10	3.21E-09
AZIN1	-0.83	5.56E-10	3.21E-09
TBL1XR1-AS1	-6.73	5.57E-10	3.21E-09
C1orf27	-0.60	5.61E-10	3.24E-09
UNC5B	2.10	5.65E-10	3.26E-09
HELLPAR	-2.34	5.67E-10	3.27E-09
RBM12B-AS1	-2.81	5.68E-10	3.28E-09
RP11-568K15.1	-1.15	5.68E-10	3.28E-09
KBTBD7	-0.81	5.69E-10	3.28E-09
CPSF1	1.04	5.70E-10	3.29E-09
RGPD5	-2.66	5.72E-10	3.30E-09
TENM3	2.20	5.73E-10	3.30E-09
ZNF204P	-1.37	5.74E-10	3.31E-09
DUS2	0.72	5.76E-10	3.32E-09
MAP2K4	-0.68	5.79E-10	3.34E-09
UGT1A5	-6.95	5.81E-10	3.35E-09
EIF4EBP2	-0.60	5.90E-10	3.40E-09
DDX26B	-1.12	5.93E-10	3.42E-09
RP11-67L2.2	-1.09	5.94E-10	3.42E-09
FAHD1	1.22	5.95E-10	3.43E-09
PIK3CB	-0.94	5.96E-10	3.43E-09
RP11-457M11.7	-3.65	5.99E-10	3.45E-09
RP5-881P19.7	-6.53	5.99E-10	3.45E-09
WDR17	-2.83	5.99E-10	3.45E-09
MRPL14	0.99	5.99E-10	3.45E-09
UQCRH	0.95	6.02E-10	3.46E-09
BBS9	-0.76	6.03E-10	3.47E-09
RNU2-64P	-7.87	6.05E-10	3.48E-09
XLOC_010311	-6.48	6.09E-10	3.50E-09
RPS6KA5	-1.32	6.18E-10	3.55E-09
RP11-354M20.3	-5.30	6.18E-10	3.55E-09
PSMC4	0.86	6.18E-10	3.55E-09
KCTD13	1.42	6.19E-10	3.56E-09
B3GALT4	0.74	6.21E-10	3.57E-09

LRRC75A	-1.67	6.23E-10	3.58E-09
MYO5B	-1.30	6.23E-10	3.58E-09
RP11-214J9.1	-3.95	6.24E-10	3.58E-09
RP11-288C18.1	-1.18	6.24E-10	3.58E-09
DDX28	0.84	6.30E-10	3.62E-09
UST	-1.40	6.31E-10	3.62E-09
C22orf23	1.13	6.31E-10	3.62E-09
BAK1	1.28	6.33E-10	3.63E-09
MOCS1	2.66	6.33E-10	3.63E-09
DIRAS1	1.92	6.34E-10	3.64E-09
BEND5	2.25	6.37E-10	3.65E-09
ZNF624	-0.91	6.40E-10	3.67E-09
PHKG2	0.99	6.45E-10	3.70E-09
SOD2	1.42	6.45E-10	3.70E-09
AC026271.5	1.16	6.47E-10	3.71E-09
AL928654.7	-6.91	6.49E-10	3.72E-09
MYCBP2-AS2	-6.88	6.54E-10	3.74E-09
SNORD116-1	-7.15	6.55E-10	3.75E-09
PIAS4	0.85	6.58E-10	3.76E-09
CTD-2233K9.1	-2.83	6.62E-10	3.79E-09
COG7	0.63	6.65E-10	3.81E-09
THAP6	-0.82	6.69E-10	3.83E-09
CTD-2574D22.4	-1.93	6.69E-10	3.83E-09
NXT1	0.86	6.73E-10	3.85E-09
RP11-815J21.3	-6.64	6.78E-10	3.88E-09
DOCK9-AS1	-6.61	6.82E-10	3.90E-09
TIMM8B	1.11	6.83E-10	3.91E-09
NUP98	-0.58	6.87E-10	3.93E-09
KPNA6	-0.63	6.89E-10	3.94E-09
ADH6	-3.04	6.91E-10	3.95E-09
HSPA6	1.69	7.01E-10	4.00E-09
RPL7	0.98	7.05E-10	4.03E-09
VPS37D	1.70	7.07E-10	4.04E-09
SLC24A5	-2.20	7.09E-10	4.05E-09
MARCKS	1.01	7.12E-10	4.06E-09
FBXL13	-1.72	7.17E-10	4.09E-09
G30345	-3.15	7.19E-10	4.10E-09
RP11-552M11.4	-3.42	7.20E-10	4.11E-09
NENF	0.97	7.23E-10	4.12E-09
GSAP	-1.12	7.38E-10	4.21E-09
MYO1F	1.97	7.39E-10	4.21E-09
DNAJB12	0.50	7.44E-10	4.24E-09
RDH10-AS1	-5.58	7.48E-10	4.26E-09
NEMP1	-1.09	7.51E-10	4.28E-09
NAP1L4P1	-3.18	7.56E-10	4.31E-09

RP11-745A24.1	-6.47	7.56E-10	4.31E-09
KLHL26	1.02	7.58E-10	4.32E-09
KBTBD8	-1.47	7.58E-10	4.32E-09
IK	0.80	7.60E-10	4.33E-09
PCAT19	2.52	7.60E-10	4.33E-09
SLC25A16	-0.76	7.64E-10	4.35E-09
MKNK1	0.97	7.67E-10	4.36E-09
PARGP1	-0.90	7.69E-10	4.37E-09
RP11-530C5.4	-6.44	7.74E-10	4.40E-09
ZBTB20-AS1	-4.22	7.77E-10	4.42E-09
CREB3L1	3.18	7.85E-10	4.46E-09
SMYD5	0.75	7.87E-10	4.47E-09
NR5A2	1.90	7.93E-10	4.51E-09
MRPS31P5	-2.14	7.97E-10	4.53E-09
RSU1	0.82	7.99E-10	4.54E-09
TAS2R3	-5.51	8.02E-10	4.55E-09
RP11-575G13.2	-6.76	8.03E-10	4.56E-09
MIR421	-6.73	8.03E-10	4.56E-09
RPL23AP64	-3.09	8.06E-10	4.57E-09
RNF157	2.07	8.08E-10	4.59E-09
TBL3	0.77	8.10E-10	4.60E-09
CCDC120	1.28	8.12E-10	4.61E-09
COL23A1	1.68	8.12E-10	4.61E-09
EPN3	1.30	8.14E-10	4.62E-09
CXCR2	1.26	8.19E-10	4.65E-09
NADSYN1	1.03	8.20E-10	4.65E-09
CACNA2D2	-1.59	8.20E-10	4.65E-09
FAM217A	-3.64	8.23E-10	4.67E-09
HOXA11	2.86	8.31E-10	4.71E-09
RRP1	0.94	8.31E-10	4.71E-09
OACYLP	5.73	8.32E-10	4.72E-09
RP11-286E11.1	-3.91	8.37E-10	4.74E-09
FAM46C	-1.99	8.42E-10	4.77E-09
ACTN1	1.82	8.54E-10	4.83E-09
RP11-797H7.1	-1.98	8.55E-10	4.84E-09
RN7SL648P	-5.75	8.57E-10	4.85E-09
RP6-99M1.3	-7.00	8.59E-10	4.86E-09
DNAJC1	0.82	8.62E-10	4.88E-09
RP11-535C21.3	-6.64	8.63E-10	4.88E-09
C1GALT1P1	-6.77	8.64E-10	4.89E-09
LDOC1L	0.99	8.66E-10	4.90E-09
RP11-530C5.2	-3.31	8.67E-10	4.90E-09
CLN3	-1.39	8.69E-10	4.91E-09
CTD-3184A7.4	1.64	8.71E-10	4.93E-09
TAS2R15P	-3.88	8.74E-10	4.94E-09

ADRBK2	-1.03	8.76E-10	4.95E-09
FAM110A	1.12	8.79E-10	4.97E-09
KAT2B	-0.90	8.81E-10	4.98E-09
AVEN	1.02	8.82E-10	4.98E-09
DENND6B	1.84	8.83E-10	4.99E-09
E4F1	0.87	8.85E-10	5.00E-09
RP11-820I16.3	-4.41	8.86E-10	5.00E-09
PDS5A	-0.66	8.87E-10	5.01E-09
FAM134B	-1.52	8.89E-10	5.02E-09
SLC26A6	1.62	8.93E-10	5.04E-09
ZNF37BP	-1.27	8.94E-10	5.04E-09
CTA-398F10.2	-3.06	8.95E-10	5.05E-09
SYNE3	-1.67	9.01E-10	5.08E-09
DSTYK	-0.66	9.05E-10	5.10E-09
CRTAC1	1.51	9.05E-10	5.10E-09
AKAP13	-0.79	9.17E-10	5.17E-09
MTRR	-0.75	9.19E-10	5.18E-09
TMEM246-AS1	-4.46	9.24E-10	5.21E-09
CEP152	-1.19	9.27E-10	5.22E-09
HCCS	0.69	9.28E-10	5.23E-09
EFNB1	0.82	9.38E-10	5.28E-09
SNORD101	-3.10	9.38E-10	5.28E-09
ZNF45	-0.67	9.42E-10	5.30E-09
METTL20	-0.93	9.42E-10	5.30E-09
AFTPH	-0.83	9.51E-10	5.35E-09
GATM	-1.64	9.65E-10	5.43E-09
XLOC_008024	-1.63	9.74E-10	5.48E-09
SNX33	0.86	9.76E-10	5.49E-09
AC010240.2	-4.53	9.86E-10	5.54E-09
MITF	-1.10	9.92E-10	5.58E-09
ZNF230	-0.86	9.95E-10	5.59E-09
TRAPPC3	0.70	1.00E-09	5.63E-09
ZDHHC21	-1.37	1.00E-09	5.64E-09
KCNMB1	2.02	1.01E-09	5.65E-09
TEC	-1.01	1.02E-09	5.72E-09
PROSER2	1.30	1.02E-09	5.73E-09
KCNA1	-6.85	1.02E-09	5.73E-09
ADAM22	-1.84	1.02E-09	5.74E-09
ST3GAL3	1.20	1.02E-09	5.74E-09
PILRA	2.76	1.03E-09	5.79E-09
XLOC_013543	4.26	1.04E-09	5.83E-09
KAT5	0.58	1.05E-09	5.86E-09
AGAP2	1.35	1.05E-09	5.87E-09
RP11-204P2.3	-3.18	1.06E-09	5.95E-09
RP11-39M21.1	-6.74	1.06E-09	5.95E-09

TMEM185B	0.67	1.06E-09	5.96E-09
AC092811.1	-4.13	1.06E-09	5.97E-09
PTPN23	1.47	1.07E-09	5.99E-09
NR2F6	1.01	1.09E-09	6.09E-09
RASGRP3	2.26	1.09E-09	6.10E-09
KNOP1	0.87	1.09E-09	6.12E-09
DHX37	0.73	1.09E-09	6.13E-09
MUC16	-7.04	1.10E-09	6.14E-09
KLHL41	-2.70	1.10E-09	6.14E-09
EIF2B4	0.78	1.10E-09	6.14E-09
RP11-264L1.2	-7.08	1.10E-09	6.15E-09
MARK2P8	-3.28	1.10E-09	6.15E-09
XLOC_010389	-3.92	1.10E-09	6.16E-09
EPS15L1	0.61	1.10E-09	6.16E-09
MTND4P15	-6.55	1.10E-09	6.18E-09
PIDD1	1.84	1.11E-09	6.18E-09
NRM	1.00	1.11E-09	6.21E-09
AC003104.1	-5.36	1.13E-09	6.31E-09
DLEU2L	-2.62	1.13E-09	6.32E-09
CRTAP	0.79	1.13E-09	6.33E-09
XXYLT1	1.02	1.14E-09	6.36E-09
MOXD1	1.60	1.14E-09	6.37E-09
ZNF28	-1.01	1.16E-09	6.46E-09
GOLGA4	-1.09	1.16E-09	6.49E-09
NT5C2	0.45	1.16E-09	6.49E-09
SECTM1	1.38	1.16E-09	6.50E-09
RP11-203B9.4	-2.33	1.17E-09	6.53E-09
HS6ST3	-3.79	1.17E-09	6.54E-09
NHEG1	-2.80	1.18E-09	6.56E-09
RP11-337N6.1	-3.73	1.18E-09	6.57E-09
SLC22A18AS	2.86	1.18E-09	6.59E-09
RP11-140H17.2	-6.62	1.19E-09	6.63E-09
RP11-123O10.3	-6.92	1.20E-09	6.70E-09
CTD-2636A23.2	-2.33	1.21E-09	6.74E-09
IRAK2	1.25	1.21E-09	6.74E-09
FABP4	5.15	1.21E-09	6.76E-09
SNORD116-15	-7.45	1.21E-09	6.77E-09
DDAH2	1.11	1.22E-09	6.77E-09
SIPA1L2	1.42	1.22E-09	6.81E-09
THOC1	-0.91	1.23E-09	6.84E-09
RP13-487P22.1	-4.21	1.23E-09	6.85E-09
FAN1	-0.95	1.24E-09	6.89E-09
SARNP	-2.47	1.24E-09	6.93E-09
BMX	2.45	1.25E-09	6.95E-09
SURF2	0.90	1.26E-09	7.00E-09

SKP2	-0.75	1.26E-09	7.01E-09
TUBGCP2	0.52	1.26E-09	7.01E-09
MACROD2	-1.43	1.26E-09	7.02E-09
CD99L2	1.29	1.26E-09	7.03E-09
PITPNM2	1.12	1.27E-09	7.08E-09
GALNT1	-1.18	1.28E-09	7.14E-09
ZNF263	0.48	1.29E-09	7.16E-09
TIMM17A	0.74	1.29E-09	7.17E-09
RP4-671G15.2	-3.36	1.29E-09	7.17E-09
FNDC3A	-0.75	1.30E-09	7.20E-09
UHRF1BP1	-0.65	1.30E-09	7.21E-09
RP11-252A24.2	-1.31	1.30E-09	7.22E-09
PFDN1	0.75	1.31E-09	7.27E-09
RP11-33N16.2	-6.26	1.32E-09	7.33E-09
RBM4	-1.19	1.32E-09	7.34E-09
SNORA33	-3.02	1.34E-09	7.41E-09
FABP7	-4.79	1.35E-09	7.51E-09
STAT5A	0.97	1.36E-09	7.52E-09
SNAI1	3.01	1.36E-09	7.56E-09
ACAP2-IT1	-3.27	1.37E-09	7.59E-09
FGFR2	-1.07	1.38E-09	7.63E-09
LAMP5	3.86	1.39E-09	7.69E-09
G7822	-2.48	1.40E-09	7.76E-09
CDH13	0.88	1.41E-09	7.81E-09
SERPINA1	3.34	1.42E-09	7.86E-09
RP11-290C10.1	-4.11	1.42E-09	7.89E-09
MAPKAPK5	-0.57	1.43E-09	7.91E-09
ARPC3	0.94	1.43E-09	7.91E-09
AFF3	-2.09	1.43E-09	7.92E-09
TTC3P1	-0.94	1.44E-09	7.98E-09
PPP3CB-AS1	-1.19	1.47E-09	8.11E-09
DNAJB11	0.78	1.47E-09	8.14E-09
AP000577.2	-3.66	1.48E-09	8.18E-09
ALAS2	-4.84	1.49E-09	8.23E-09
COL4A5	-0.89	1.50E-09	8.28E-09
PDE10A	2.37	1.50E-09	8.29E-09
RP5-951N9.1	-6.80	1.51E-09	8.36E-09
RNASEH2B	-0.76	1.53E-09	8.46E-09
PRDM16	2.28	1.53E-09	8.48E-09
RBBP4P1	-6.56	1.54E-09	8.52E-09
HTATIP2	0.95	1.55E-09	8.54E-09
SPDYE1	-2.81	1.55E-09	8.56E-09
CD1C	-2.62	1.55E-09	8.58E-09
RN7SL16P	-6.63	1.57E-09	8.65E-09
AC025335.1	-1.24	1.57E-09	8.65E-09

SCART1	-1.58	1.57E-09	8.65E-09
HIF1AN	-0.69	1.57E-09	8.68E-09
BOP1	1.52	1.58E-09	8.70E-09
RP11-537E18.1	-3.82	1.58E-09	8.70E-09
TSEN54	0.92	1.58E-09	8.70E-09
KRT6C	7.17	1.58E-09	8.73E-09
TAS2R19	-4.33	1.59E-09	8.74E-09
GSG1	-3.63	1.60E-09	8.79E-09
PSMA6P1	-3.66	1.60E-09	8.80E-09
LRPPRC	-0.60	1.60E-09	8.82E-09
RP3-522J7.5	-6.50	1.60E-09	8.82E-09
PARVA	1.00	1.61E-09	8.85E-09
CARKD	0.65	1.61E-09	8.89E-09
SERPINF1	2.30	1.62E-09	8.91E-09
ACTR3B	1.08	1.62E-09	8.91E-09
ATP5HP4	-4.23	1.62E-09	8.94E-09
TBC1D9B	0.54	1.63E-09	8.97E-09
HSD3B7	1.17	1.63E-09	8.98E-09
CCR10	3.64	1.63E-09	8.98E-09
IL15RA	1.55	1.63E-09	8.99E-09
RP11-592B15.4	-1.44	1.64E-09	9.00E-09
STX7	-0.63	1.64E-09	9.00E-09
CERS5	0.70	1.64E-09	9.00E-09
RP3-472M2.2	-6.49	1.64E-09	9.01E-09
SNRPGP18	-6.81	1.64E-09	9.01E-09
CYP39A1	-1.59	1.65E-09	9.05E-09
CCDC130	1.23	1.65E-09	9.05E-09
HIST2H2BA	-2.82	1.65E-09	9.08E-09
GPC3	2.13	1.65E-09	9.09E-09
BMP2KL	-6.86	1.67E-09	9.16E-09
IRS4	-3.53	1.68E-09	9.22E-09
MPI	0.81	1.68E-09	9.23E-09
HBS1L	-0.60	1.68E-09	9.23E-09
SCARNA23	-6.73	1.69E-09	9.25E-09
NPNT	1.45	1.71E-09	9.37E-09
DNAJC19P5	-2.16	1.71E-09	9.39E-09
EIF1AX-AS1	-4.28	1.71E-09	9.39E-09
MMP3	7.85	1.71E-09	9.40E-09
RP11-23N2.4	-2.21	1.72E-09	9.45E-09
MATK	2.18	1.72E-09	9.45E-09
RP11-46O21.2	-4.50	1.73E-09	9.48E-09
MTMR8	-1.22	1.74E-09	9.52E-09
RP11-1094M14.11	1.13	1.74E-09	9.53E-09
NAT9	1.11	1.76E-09	9.66E-09
C1orf122	1.72	1.79E-09	9.80E-09

CASP1P2	-1.99	1.79E-09	9.83E-09
CTD-3014M21.1	-3.66	1.81E-09	9.90E-09
RP11-197K3.1	-6.59	1.81E-09	9.92E-09
G36147	-8.95	1.82E-09	9.96E-09
MPLKIP	0.52	1.82E-09	9.96E-09
PDS5B	-0.71	1.82E-09	9.98E-09
FMNL2	1.20	1.83E-09	1.00E-08
TMEM233	5.00	1.83E-09	1.00E-08
TCEA1P2	-1.82	1.84E-09	1.01E-08
MTND1P9	-6.48	1.86E-09	1.02E-08
B9D2	1.57	1.87E-09	1.02E-08
SMARCE1P1	-6.55	1.87E-09	1.02E-08
RP11-527N22.1	3.55	1.89E-09	1.03E-08
TRIM52-AS1	1.01	1.89E-09	1.03E-08
RP11-463O12.5	-2.10	1.90E-09	1.04E-08
KIFC3	0.75	1.90E-09	1.04E-08
FGD1	0.89	1.93E-09	1.05E-08
ENTPD1-AS1	-0.94	1.93E-09	1.06E-08
AADACL2	-1.80	1.94E-09	1.06E-08
TM2D1	-0.71	1.95E-09	1.06E-08
FAM120C	-1.06	1.95E-09	1.06E-08
FILIP1	2.03	1.96E-09	1.07E-08
MICALL1	0.91	1.96E-09	1.07E-08
ZNF614	-0.89	1.96E-09	1.07E-08
RAPGEF1	0.83	1.96E-09	1.07E-08
DHPS	0.89	1.98E-09	1.08E-08
LSM2	0.96	1.99E-09	1.08E-08
LINC01376	-2.05	2.00E-09	1.09E-08
LRIT2	-2.33	2.00E-09	1.09E-08
FOXRED2	0.99	2.00E-09	1.09E-08
FAM132B	2.61	2.01E-09	1.09E-08
RP11-519C12.1	-6.62	2.01E-09	1.09E-08
RNASET2	1.39	2.01E-09	1.09E-08
FBXO4	0.86	2.01E-09	1.10E-08
SLC7A4	-2.35	2.02E-09	1.10E-08
ARPC2	0.69	2.02E-09	1.10E-08
AP5Z1	0.98	2.03E-09	1.11E-08
CCDC146	-1.27	2.04E-09	1.11E-08
CNKSR1	1.68	2.07E-09	1.12E-08
SNORA70	-4.46	2.07E-09	1.12E-08
PDE7B	2.07	2.09E-09	1.14E-08
RP11-609N14.4	-2.72	2.10E-09	1.14E-08
ROBO3	2.80	2.12E-09	1.15E-08
NACC1	0.93	2.12E-09	1.15E-08
RP11-390P2.4	1.66	2.14E-09	1.16E-08

AC092168.2	-3.69	2.14E-09	1.16E-08
CDK5	0.97	2.14E-09	1.16E-08
RRM2P3	-2.45	2.14E-09	1.16E-08
COL18A1-AS2	-6.70	2.14E-09	1.16E-08
ISG20	1.55	2.14E-09	1.16E-08
TMEM98	1.54	2.15E-09	1.17E-08
INAFM2	1.37	2.16E-09	1.17E-08
RNU1-1	-6.59	2.16E-09	1.17E-08
APBB1	1.19	2.16E-09	1.17E-08
CLEC4E	4.18	2.17E-09	1.18E-08
CCRL2	3.10	2.17E-09	1.18E-08
MAP2K1	0.78	2.17E-09	1.18E-08
CYP4A11	-4.31	2.17E-09	1.18E-08
KLHL5	1.34	2.18E-09	1.18E-08
YTHDC2	-0.72	2.18E-09	1.18E-08
DPY19L4	-0.81	2.18E-09	1.18E-08
RNPEPL1	1.05	2.19E-09	1.19E-08
FAM83E	2.43	2.21E-09	1.20E-08
FZD1	1.13	2.21E-09	1.20E-08
AC005550.3	-5.64	2.25E-09	1.22E-08
CREB3L2	1.20	2.25E-09	1.22E-08
CLEC4G	4.97	2.26E-09	1.22E-08
KPNA1	-0.64	2.26E-09	1.22E-08
NUTM1	-6.33	2.26E-09	1.22E-08
STBD1	2.07	2.26E-09	1.22E-08
SMCR8	-0.56	2.26E-09	1.22E-08
MRPL45	0.77	2.27E-09	1.23E-08
CCDC162P	-2.68	2.28E-09	1.23E-08
RP11-28B23.1	-5.31	2.28E-09	1.23E-08
ST7-AS2	-3.66	2.29E-09	1.24E-08
DACT1	2.75	2.29E-09	1.24E-08
CD72	2.87	2.30E-09	1.24E-08
SRGAP2C	-1.30	2.30E-09	1.24E-08
NOMO1	0.71	2.30E-09	1.24E-08
PRKAB1	0.76	2.30E-09	1.24E-08
CCDC6	-0.73	2.32E-09	1.25E-08
RP1-198K11.5	2.13	2.32E-09	1.25E-08
SHC2	1.56	2.33E-09	1.26E-08
CD1E	-2.45	2.34E-09	1.27E-08
RP11-792A8.3	-2.70	2.35E-09	1.27E-08
IRX3	1.81	2.36E-09	1.27E-08
H6PD	-0.64	2.36E-09	1.27E-08
BRD4	1.40	2.37E-09	1.28E-08
TBX2-AS1	2.81	2.40E-09	1.29E-08
FAM73A	-0.72	2.40E-09	1.30E-08

BCR	0.86	2.40E-09	1.30E-08
PQBP1	1.00	2.41E-09	1.30E-08
WDR19	-0.74	2.41E-09	1.30E-08
SAMD12	-1.76	2.41E-09	1.30E-08
RASAL3	1.79	2.43E-09	1.31E-08
COG8	-0.68	2.43E-09	1.31E-08
PC	1.59	2.44E-09	1.31E-08
PHF13	0.61	2.44E-09	1.31E-08
DCLK2	1.63	2.45E-09	1.32E-08
CCDC14	-1.27	2.45E-09	1.32E-08
AC015923.1	-6.42	2.46E-09	1.33E-08
TRIM56	1.03	2.47E-09	1.33E-08
HYPK	-2.17	2.48E-09	1.34E-08
PEX10	0.64	2.51E-09	1.35E-08
C6orf222	-3.29	2.53E-09	1.36E-08
FAM225A	4.61	2.53E-09	1.36E-08
USP35	1.56	2.53E-09	1.36E-08
ZC3H12A	1.19	2.54E-09	1.36E-08
EFCAB1	-1.69	2.57E-09	1.38E-08
CERS2	1.01	2.57E-09	1.38E-08
HFE	1.15	2.57E-09	1.38E-08
TSPAN4	1.53	2.57E-09	1.38E-08
ZRANB1	-0.93	2.57E-09	1.38E-08
SCN7A	-3.91	2.58E-09	1.38E-08
MRPL43	0.84	2.58E-09	1.38E-08
MPZL3	-1.29	2.58E-09	1.39E-08
PHIP	-0.78	2.59E-09	1.39E-08
TCN1	6.61	2.59E-09	1.39E-08
PICK1	0.88	2.60E-09	1.39E-08
HEXDC	1.34	2.62E-09	1.41E-08
NANS	0.66	2.63E-09	1.41E-08
HNRNPRP1	-4.56	2.63E-09	1.41E-08
PRR16	3.46	2.65E-09	1.42E-08
ARFIP2	0.67	2.65E-09	1.42E-08
CFAP58-AS1	2.00	2.66E-09	1.43E-08
RP11-549L6.2	-6.62	2.66E-09	1.43E-08
RP11-478C6.6	-2.74	2.69E-09	1.44E-08
RP5-872K7.7	-6.53	2.70E-09	1.44E-08
AMPD2	0.91	2.70E-09	1.44E-08
FAM131B	2.85	2.70E-09	1.45E-08
RP11-430C7.2	-6.62	2.71E-09	1.45E-08
WDR86	3.66	2.71E-09	1.45E-08
TYRO3P	-3.53	2.73E-09	1.46E-08
FAM124A	1.25	2.73E-09	1.46E-08
RAB6B	1.47	2.75E-09	1.47E-08

RP11-709A23.1	-2.64	2.75E-09	1.47E-08
AP000462.2	-6.96	2.75E-09	1.47E-08
CTD-2525I3.6	-6.14	2.78E-09	1.49E-08
RN7SL338P	-6.49	2.79E-09	1.49E-08
RP11-504I13.2	-7.00	2.80E-09	1.50E-08
AL354808.2	-6.63	2.80E-09	1.50E-08
TMEM184C	-0.59	2.83E-09	1.51E-08
LIPH	-1.73	2.83E-09	1.51E-08
KIF7	1.84	2.84E-09	1.52E-08
ANK1	2.06	2.86E-09	1.53E-08
SPATA1	-2.41	2.86E-09	1.53E-08
ILF2P1	-6.65	2.87E-09	1.53E-08
IFT140	0.82	2.89E-09	1.54E-08
MTCH1	0.56	2.91E-09	1.55E-08
MTFMT	0.57	2.92E-09	1.56E-08
RNMT	-0.68	2.92E-09	1.56E-08
RP11-477E3.2	-6.44	2.93E-09	1.56E-08
DDX50P1	-2.89	2.93E-09	1.56E-08
ZKSCAN3	-0.97	2.93E-09	1.56E-08
WASH4P	2.05	2.93E-09	1.57E-08
CELF2-AS1	-3.64	2.95E-09	1.58E-08
TUBE1	-0.94	2.96E-09	1.58E-08
ERCC6L	-1.18	2.99E-09	1.60E-08
LINC00691	-6.71	3.00E-09	1.60E-08
TRMT13	-0.93	3.03E-09	1.62E-08
RP11-16K12.2	-6.31	3.03E-09	1.62E-08
TMEM56	-4.50	3.04E-09	1.62E-08
RP11-429P3.8	-3.04	3.04E-09	1.62E-08
PIBF1	-0.84	3.04E-09	1.62E-08
CLDN20	-3.49	3.04E-09	1.62E-08
ESYT2	-0.70	3.06E-09	1.63E-08
RPS11P5	-2.20	3.07E-09	1.63E-08
DHX38	0.55	3.07E-09	1.64E-08
SPDYA	-2.29	3.11E-09	1.65E-08
CLIP1-AS1	-3.96	3.12E-09	1.66E-08
BCL9	0.82	3.16E-09	1.68E-08
CYP2C18	-1.46	3.17E-09	1.69E-08
ZNF132	-1.12	3.18E-09	1.69E-08
RP4-814D15.1	-6.54	3.21E-09	1.71E-08
NAA40	1.09	3.21E-09	1.71E-08
ZNF813	-0.88	3.22E-09	1.71E-08
SNORA13	-4.50	3.23E-09	1.71E-08
TRABD2B	1.52	3.23E-09	1.72E-08
CCT7P1	-2.38	3.24E-09	1.72E-08
KATNAL2	-1.45	3.25E-09	1.73E-08

OASL	4.22	3.28E-09	1.74E-08
CITF22-92A6.1	3.06	3.29E-09	1.75E-08
ZNF469	2.40	3.30E-09	1.75E-08
FAM35CP	-6.45	3.30E-09	1.75E-08
RPGRIP1L	-1.09	3.30E-09	1.75E-08
DLGAP1-AS1	1.65	3.31E-09	1.76E-08
ZNF354C	-1.16	3.31E-09	1.76E-08
PYGM	1.93	3.32E-09	1.76E-08
RP11-295G20.2	1.42	3.33E-09	1.76E-08
AC025918.2	-6.42	3.33E-09	1.77E-08
CHST2	2.51	3.33E-09	1.77E-08
GS1-115G20.2	-4.89	3.34E-09	1.77E-08
XXbac-BPGBPG55C20.2	-1.55	3.36E-09	1.78E-08
CCDC126	-1.10	3.37E-09	1.79E-08
IPO7	-0.75	3.37E-09	1.79E-08
STARD7	-0.63	3.38E-09	1.79E-08
REXO1	1.14	3.39E-09	1.80E-08
CTD-2619J13.14	1.07	3.39E-09	1.80E-08
RP11-981G7.1	-5.52	3.40E-09	1.80E-08
C3AR1	3.01	3.40E-09	1.80E-08
RP11-96K19.4	-2.24	3.41E-09	1.80E-08
FARP2	-0.60	3.43E-09	1.82E-08
RP11-862L9.2	-4.34	3.45E-09	1.82E-08
ZNF793	-1.06	3.45E-09	1.83E-08
TYK2	1.00	3.50E-09	1.85E-08
2-Mar	0.86	3.50E-09	1.85E-08
AC002117.1	-4.84	3.50E-09	1.85E-08
RP11-274A11.4	-3.03	3.54E-09	1.87E-08
AC023632.1	-6.22	3.56E-09	1.88E-08
RP1-288H2.2	-3.43	3.56E-09	1.88E-08
PPBP	-4.69	3.57E-09	1.89E-08
G36254	-2.95	3.57E-09	1.89E-08
RP11-752D24.2	-4.16	3.58E-09	1.89E-08
TMEM232	-1.75	3.59E-09	1.90E-08
NDN	1.88	3.61E-09	1.91E-08
MKNK2	0.95	3.63E-09	1.92E-08
MED1	-0.53	3.63E-09	1.92E-08
MT-CYB	3.41	3.64E-09	1.92E-08
ZNF703	1.54	3.65E-09	1.92E-08
TYW5	-1.02	3.69E-09	1.95E-08
ZNF761	-0.81	3.70E-09	1.95E-08
ZNF41	-0.67	3.78E-09	1.99E-08
NRBF2P5	-4.73	3.78E-09	1.99E-08
COX20	-1.36	3.81E-09	2.01E-08
DMAP1	1.08	3.84E-09	2.03E-08

ARC	2.57	3.85E-09	2.03E-08
HOXB9	4.73	3.85E-09	2.03E-08
FBXL3	-0.95	3.85E-09	2.03E-08
KMT2E-AS1	1.30	3.86E-09	2.03E-08
ALG11	-0.67	3.86E-09	2.03E-08
ALKBH8	-0.67	3.88E-09	2.04E-08
KRT128P	-6.88	3.89E-09	2.05E-08
YWHAQ	0.84	3.89E-09	2.05E-08
ZNF860	-1.24	3.89E-09	2.05E-08
G39463	-2.51	3.90E-09	2.05E-08
RP11-536L3.4	-4.06	3.90E-09	2.05E-08
CPNE1	1.27	3.90E-09	2.05E-08
FGFRL1	1.34	3.90E-09	2.05E-08
RBM17P1	-6.81	3.91E-09	2.05E-08
SH3RF3-AS1	2.14	3.91E-09	2.05E-08
STX16	1.24	3.92E-09	2.06E-08
CRIP1	-2.44	3.92E-09	2.06E-08
BAALC	1.82	3.93E-09	2.06E-08
SPTLC3	-1.20	3.94E-09	2.07E-08
DCAF7	0.63	3.94E-09	2.07E-08
FBXW4	0.89	3.95E-09	2.08E-08
TCEB1	0.94	3.96E-09	2.08E-08
PRAF2	2.49	3.97E-09	2.09E-08
INTS6-AS1	-1.95	3.98E-09	2.09E-08
TNFRSF11B	3.01	3.99E-09	2.09E-08
ANKS6	0.97	3.99E-09	2.09E-08
AC093382.1	-3.08	3.99E-09	2.09E-08
CDC42-IT1	-5.19	4.00E-09	2.10E-08
VEGFC	2.17	4.00E-09	2.10E-08
G10141	-3.96	4.01E-09	2.10E-08
HNRNPA1P49	-3.70	4.01E-09	2.10E-08
RN7SL674P	-6.38	4.02E-09	2.11E-08
HOXA13	2.04	4.03E-09	2.11E-08
RP11-260M2.1	-3.34	4.04E-09	2.12E-08
ADI1	0.67	4.06E-09	2.13E-08
ERH	0.97	4.06E-09	2.13E-08
CTD-2651B20.7	-5.14	4.07E-09	2.13E-08
RP11-278C7.3	-3.22	4.07E-09	2.13E-08
RP11-677I18.3	-2.44	4.07E-09	2.13E-08
TNKS2	-0.68	4.08E-09	2.13E-08
TMEM219	0.60	4.08E-09	2.14E-08
CTA-384D8.36	2.24	4.10E-09	2.14E-08
ZNF436	-0.71	4.13E-09	2.16E-08
HIST1H4J	-2.00	4.17E-09	2.18E-08
TMEM37	1.73	4.18E-09	2.19E-08

ZBED8	-1.31	4.18E-09	2.19E-08
RP11-532M24.1	-2.29	4.20E-09	2.20E-08
SEH1L	-0.73	4.21E-09	2.20E-08
PDE4DIP	-0.96	4.21E-09	2.20E-08
LINC01527	-3.11	4.21E-09	2.20E-08
FAM193B	1.41	4.22E-09	2.20E-08
PYGB	1.11	4.23E-09	2.21E-08
RP11-44F14.7	-3.67	4.23E-09	2.21E-08
CTD-2310F14.1	-2.70	4.25E-09	2.22E-08
ENO1-IT1	-4.07	4.25E-09	2.22E-08
GLRX5	0.97	4.27E-09	2.23E-08
EXOC3-AS1	1.09	4.27E-09	2.23E-08
RP11-573D15.9	-1.97	4.27E-09	2.23E-08
UBA6	-0.70	4.30E-09	2.24E-08
PRDM4	0.46	4.34E-09	2.27E-08
TOMM34	0.77	4.35E-09	2.27E-08
RP1-80N2.4	-2.03	4.38E-09	2.29E-08
SNORA66	-2.58	4.40E-09	2.30E-08
SNCG	1.59	4.41E-09	2.30E-08
SYCP3	-2.71	4.43E-09	2.31E-08
RNU5D-1	-6.99	4.43E-09	2.31E-08
ISL1	-3.61	4.47E-09	2.33E-08
AL136115.1	-3.58	4.47E-09	2.33E-08
RP11-466F5.8	-2.96	4.52E-09	2.36E-08
P2RX7	-1.16	4.54E-09	2.36E-08
TOE1	0.75	4.54E-09	2.37E-08
SHISA4	1.57	4.57E-09	2.38E-08
ETHE1	1.45	4.58E-09	2.39E-08
MUS81	1.13	4.61E-09	2.40E-08
PSMB8	1.05	4.62E-09	2.41E-08
ZFAND1	-0.73	4.63E-09	2.41E-08
TNPO1P1	-5.48	4.64E-09	2.41E-08
EIF4H	1.01	4.65E-09	2.42E-08
LRP3	1.31	4.68E-09	2.44E-08
PLSCR1	1.42	4.68E-09	2.44E-08
METTL14	-0.67	4.70E-09	2.44E-08
RP11-1277A3.2	-1.60	4.70E-09	2.44E-08
DSG1	-1.43	4.74E-09	2.47E-08
PKDREJ	-1.71	4.75E-09	2.47E-08
NRROS	2.19	4.76E-09	2.47E-08
AC113189.5	1.56	4.76E-09	2.48E-08
CACNB2	-1.77	4.77E-09	2.48E-08
OGT	-1.33	4.77E-09	2.48E-08
SFR1P1	-6.72	4.77E-09	2.48E-08
ANKS1A	0.62	4.78E-09	2.48E-08

TM4SF20	-6.23	4.83E-09	2.51E-08
CXCR6	-1.83	4.85E-09	2.52E-08
BNIP3P8	-6.35	4.85E-09	2.52E-08
TEX264	0.86	4.85E-09	2.52E-08
MED6	-0.54	4.87E-09	2.53E-08
RP3-522J7.7	-2.78	4.88E-09	2.53E-08
CTC-527H23.1	-6.12	4.93E-09	2.56E-08
ADORA2BP1	-2.91	4.93E-09	2.56E-08
MEIOB	-2.63	4.94E-09	2.56E-08
AC009480.3	-5.35	4.99E-09	2.59E-08
PTRF	0.99	5.01E-09	2.60E-08
ZXDB	-0.95	5.05E-09	2.62E-08
RP11-513M16.7	-2.64	5.06E-09	2.62E-08
SEC63	0.61	5.06E-09	2.62E-08
GLIPR2	1.68	5.09E-09	2.64E-08
NRBF2	1.09	5.10E-09	2.64E-08
FAM78A	2.17	5.13E-09	2.66E-08
KIAA1755	2.71	5.13E-09	2.66E-08
KIF3C	1.33	5.13E-09	2.66E-08
PLEKHA2	-0.81	5.14E-09	2.66E-08
LARP1B	-0.73	5.14E-09	2.66E-08
RAPGEF6	-0.80	5.16E-09	2.67E-08
LCE1F	2.26	5.16E-09	2.67E-08
RP11-603K19.1	-5.56	5.17E-09	2.67E-08
ESPNL	3.39	5.17E-09	2.68E-08
SLC25A46	-0.85	5.19E-09	2.69E-08
EBF1	2.08	5.19E-09	2.69E-08
PROM2	0.95	5.20E-09	2.69E-08
BNIP3P26	-6.55	5.20E-09	2.69E-08
NCOA4	-0.86	5.21E-09	2.69E-08
RP1-117O3.2	-6.30	5.22E-09	2.70E-08
RHEB	0.68	5.28E-09	2.73E-08
ZNF267	-0.87	5.30E-09	2.74E-08
MTA1	1.07	5.30E-09	2.74E-08
UNC80	-2.84	5.35E-09	2.76E-08
FAM198B	2.05	5.36E-09	2.77E-08
DAAM2	1.58	5.37E-09	2.77E-08
C15orf62	-1.11	5.38E-09	2.78E-08
PGP	0.98	5.39E-09	2.78E-08
RN7SL12P	-5.04	5.41E-09	2.79E-08
RP11-800A3.7	3.79	5.41E-09	2.79E-08
FAM53C	0.57	5.44E-09	2.81E-08
TBXAS1	2.62	5.45E-09	2.81E-08
WDR25	0.91	5.46E-09	2.81E-08
KRBOX4	0.76	5.48E-09	2.83E-08

CCDC38	-3.39	5.49E-09	2.83E-08
GGA3	0.75	5.50E-09	2.83E-08
SLC30A10	-5.38	5.50E-09	2.84E-08
ADM5	2.19	5.51E-09	2.84E-08
PHBP12	-4.21	5.51E-09	2.84E-08
LINC00641	-1.52	5.51E-09	2.84E-08
TMEM242	0.65	5.56E-09	2.86E-08
CD2AP	-0.96	5.58E-09	2.87E-08
RP11-182L21.6	1.03	5.58E-09	2.87E-08
OPA1-AS1	-5.31	5.58E-09	2.88E-08
ENTPD6	1.19	5.61E-09	2.89E-08
CMTM7	1.56	5.62E-09	2.89E-08
RP11-152L20.3	-3.93	5.62E-09	2.89E-08
CDKN2AIP	0.61	5.64E-09	2.90E-08
RN7SL517P	-6.39	5.65E-09	2.90E-08
RP11-4B16.1	-4.56	5.67E-09	2.91E-08
UGDH	0.88	5.69E-09	2.93E-08
MTO1	-0.47	5.69E-09	2.93E-08
G32314	1.93	5.70E-09	2.93E-08
COBL	-1.23	5.71E-09	2.94E-08
RP11-390P2.2	-4.95	5.72E-09	2.94E-08
SARS	0.69	5.73E-09	2.95E-08
USMG5	1.02	5.76E-09	2.96E-08
SNORD116-8	-6.83	5.77E-09	2.97E-08
METTL13	0.80	5.81E-09	2.98E-08
SLC25A42	1.02	5.83E-09	2.99E-08
SENP1	-0.60	5.83E-09	2.99E-08
NHLH2	-1.87	5.85E-09	3.01E-08
SNORD112	-2.66	5.90E-09	3.03E-08
RP11-861A13.3	-3.37	5.92E-09	3.04E-08
CTHRC1	3.17	5.95E-09	3.05E-08
RP11-17E4.1	-6.48	5.95E-09	3.05E-08
ZNF718	-2.01	5.97E-09	3.06E-08
LINC00339	0.83	5.99E-09	3.07E-08
AC002400.1	-6.52	6.01E-09	3.08E-08
SV2A	2.11	6.01E-09	3.08E-08
CWF19L1	-0.67	6.01E-09	3.08E-08
PLEKHF2	-1.12	6.01E-09	3.08E-08
ALG9	-0.78	6.01E-09	3.08E-08
TNRC18	1.10	6.02E-09	3.09E-08
RP11-58G13.1	-6.54	6.04E-09	3.09E-08
RP11-278J6.5	-6.43	6.07E-09	3.11E-08
ACKR2	2.95	6.10E-09	3.13E-08
RPP25	1.48	6.11E-09	3.13E-08
PRKAG2-AS1	2.03	6.16E-09	3.15E-08

WASF2	0.73	6.16E-09	3.16E-08
RP5-991C6.4	-6.46	6.22E-09	3.18E-08
SYNDIG1	5.02	6.25E-09	3.20E-08
AFF2	-2.13	6.30E-09	3.22E-08
TADA1	-0.76	6.32E-09	3.23E-08
RP11-30L15.4	-3.79	6.32E-09	3.23E-08
USP38	-0.96	6.36E-09	3.25E-08
CRADD	0.74	6.37E-09	3.26E-08
CTC-559E9.6	-1.66	6.40E-09	3.27E-08
GALM	1.60	6.43E-09	3.28E-08
DMRT3	5.85	6.45E-09	3.29E-08
DPRXP1	-6.21	6.54E-09	3.34E-08
AC006994.1	-5.33	6.54E-09	3.34E-08
AC006277.3	-3.35	6.59E-09	3.37E-08
RP4-695O20.1	-6.30	6.60E-09	3.37E-08
TNK1	0.85	6.61E-09	3.37E-08
ARSD	0.83	6.64E-09	3.39E-08
GRHPR	0.55	6.66E-09	3.40E-08
ABHD14B	1.01	6.67E-09	3.40E-08
ZNF500	0.81	6.67E-09	3.40E-08
GPD1L	-1.17	6.68E-09	3.41E-08
KRT8P26	-2.35	6.72E-09	3.43E-08
KIF5B	-0.89	6.74E-09	3.44E-08
TTLL1	1.09	6.74E-09	3.44E-08
RBM22	0.38	6.75E-09	3.44E-08
CBX1	0.71	6.77E-09	3.45E-08
ZFAND2B	0.71	6.78E-09	3.46E-08
SLAMF8	2.52	6.78E-09	3.46E-08
RP11-326L2.1	-4.31	6.81E-09	3.47E-08
FCN3	3.75	6.82E-09	3.47E-08
RP11-188C12.2	-2.51	6.82E-09	3.47E-08
NKAPP1	-1.80	6.83E-09	3.48E-08
KRT42P	2.70	6.84E-09	3.48E-08
FRY	-0.99	6.85E-09	3.49E-08
KIAA0100	-0.63	6.85E-09	3.49E-08
MT-TM	-7.94	6.85E-09	3.49E-08
ZFYVE26	-0.66	6.88E-09	3.50E-08
RP11-731J8.1	-6.34	6.89E-09	3.51E-08
HYAL1	1.26	6.90E-09	3.51E-08
TNRC6C-AS1	1.79	6.91E-09	3.51E-08
XLOC_009000	-6.31	6.91E-09	3.52E-08
SERTM1	-7.68	6.92E-09	3.52E-08
PSMA5	0.83	6.93E-09	3.52E-08
MEF2D	1.03	6.96E-09	3.54E-08
PYROXD1	-0.84	6.97E-09	3.54E-08

Gene	Value	P-value	Q-value
AC006461.2	-6.57	6.98E-09	3.55E-08
KRT8P31	-4.08	6.99E-09	3.55E-08
ADCY3	0.85	7.03E-09	3.57E-08
SNRPGP2	2.26	7.06E-09	3.58E-08
RP11-382A20.3	1.13	7.08E-09	3.59E-08
STEAP1	2.29	7.10E-09	3.60E-08
JADE1	-0.73	7.11E-09	3.61E-08
SNORA45	-4.79	7.12E-09	3.61E-08
SYT7	2.63	7.12E-09	3.62E-08
TAF12	0.78	7.14E-09	3.62E-08
FN1	2.72	7.15E-09	3.63E-08
AGBL4	-3.45	7.16E-09	3.63E-08
ICAM1	2.22	7.16E-09	3.63E-08
CPD	-0.87	7.19E-09	3.65E-08
TNFRSF10D	2.10	7.24E-09	3.67E-08
MIER1	-0.81	7.31E-09	3.71E-08
KIAA1147	-0.59	7.33E-09	3.71E-08
ORMDL1	-1.11	7.34E-09	3.72E-08
XLOC_005426	-3.76	7.35E-09	3.72E-08
RP11-544A12.4	-3.02	7.37E-09	3.73E-08
DKFZP434I0714	-0.99	7.43E-09	3.76E-08
2-Mar	1.66	7.49E-09	3.80E-08
ZNF837	1.01	7.51E-09	3.80E-08
DBNDD1	1.55	7.53E-09	3.81E-08
RNPC3	-1.33	7.55E-09	3.82E-08
NKD2	1.67	7.56E-09	3.82E-08
CYSRT1	1.46	7.58E-09	3.84E-08
OMD	-2.64	7.59E-09	3.84E-08
IQSEC3	4.51	7.59E-09	3.84E-08
METTL21EP	-4.82	7.61E-09	3.85E-08
LINC01136	-2.90	7.67E-09	3.88E-08
ZNF219	0.78	7.68E-09	3.88E-08
MRPL21	0.82	7.69E-09	3.89E-08
ZNF701	-0.78	7.75E-09	3.92E-08
LILRB3	3.86	7.80E-09	3.94E-08
RP11-767L7.1	-6.72	7.84E-09	3.96E-08
G4403	-2.29	7.84E-09	3.96E-08
RP11-815J21.4	-2.64	7.86E-09	3.97E-08
SNX10	2.24	7.88E-09	3.98E-08
AC004893.11	-1.36	7.90E-09	3.99E-08
IRX5	1.55	7.92E-09	4.00E-08
G26457	4.86	7.97E-09	4.02E-08
E2F8	-1.17	8.00E-09	4.04E-08
CTD-2523D13.1	-6.27	8.02E-09	4.05E-08
ZNF350	-0.69	8.04E-09	4.06E-08

LAMA5-AS1	-6.32	8.05E-09	4.06E-08
G40866	-4.17	8.06E-09	4.07E-08
TBC1D30	2.01	8.09E-09	4.08E-08
MIR3619	-6.38	8.09E-09	4.08E-08
PTPMT1	-1.51	8.12E-09	4.09E-08
FOXC2	3.67	8.13E-09	4.10E-08
RP11-317F20.3	-6.33	8.15E-09	4.11E-08
GLIS3	2.39	8.18E-09	4.12E-08
CYSTM1	1.28	8.21E-09	4.14E-08
RP11-147L13.15	1.47	8.23E-09	4.15E-08
C1QL1	3.85	8.24E-09	4.15E-08
RP11-326G21.1	2.01	8.24E-09	4.15E-08
TAS2R13	-6.34	8.32E-09	4.19E-08
POLD2	0.96	8.33E-09	4.19E-08
SNORD105B	-7.58	8.33E-09	4.19E-08
CYP19A1	3.35	8.34E-09	4.20E-08
C1orf43	0.70	8.37E-09	4.21E-08
GABRD	3.42	8.37E-09	4.21E-08
PLCXD2	-2.00	8.41E-09	4.23E-08
NEFM	7.73	8.42E-09	4.24E-08
ITGA1	1.93	8.42E-09	4.24E-08
ATP9B	-0.57	8.45E-09	4.25E-08
HIST2H2AA4	-3.11	8.56E-09	4.31E-08
EFCAB7	-0.67	8.57E-09	4.31E-08
CORO1C	-0.73	8.61E-09	4.33E-08
HSD11B1	-1.88	8.62E-09	4.33E-08
RP11-365O16.6	-1.84	8.64E-09	4.34E-08
KLHL17	1.75	8.64E-09	4.34E-08
ADD3	-1.20	8.66E-09	4.35E-08
FUNDC2	0.87	8.66E-09	4.35E-08
B4GALNT4	1.69	8.75E-09	4.40E-08
BCLAF1	-0.83	8.77E-09	4.41E-08
SLC11A2	-0.73	8.80E-09	4.42E-08
C18orf32	-0.89	8.83E-09	4.43E-08
AFMID	0.84	8.83E-09	4.43E-08
ADTRP	-1.68	8.83E-09	4.43E-08
LSP1	-1.26	8.84E-09	4.44E-08
AL136531.1	-4.74	8.87E-09	4.45E-08
ZNF818P	-1.94	8.95E-09	4.49E-08
NOP10	0.86	8.96E-09	4.49E-08
FAM201A	-2.02	9.11E-09	4.57E-08
CAPN2	1.25	9.13E-09	4.58E-08
NDUFS5	1.01	9.17E-09	4.60E-08
ZBED2	1.88	9.21E-09	4.61E-08
PARD3B	-0.88	9.22E-09	4.62E-08

PIK3CD	1.21	9.32E-09	4.67E-08
PGGT1B	-0.77	9.32E-09	4.67E-08
KPTN	1.52	9.33E-09	4.67E-08
BTBD16	-1.94	9.33E-09	4.67E-08
ASB2	1.84	9.35E-09	4.68E-08
AC073626.2	-6.26	9.39E-09	4.70E-08
RAB8B	-1.02	9.43E-09	4.72E-08
RP11-950K24.2	-6.32	9.45E-09	4.73E-08
CCDC109B	0.97	9.46E-09	4.73E-08
RP5-1125A11.4	-6.31	9.46E-09	4.73E-08
RPAP3	-0.55	9.48E-09	4.74E-08
G25594	-1.46	9.54E-09	4.77E-08
RN7SKP69	-6.16	9.56E-09	4.78E-08
RP4-682C21.2	-2.51	9.58E-09	4.79E-08
CREB3L4	0.93	9.61E-09	4.80E-08
PSMB10	1.40	9.64E-09	4.82E-08
USP12-AS1	-4.34	9.75E-09	4.87E-08
DUSP9	2.52	9.76E-09	4.88E-08
PPP1R3F	1.04	9.80E-09	4.90E-08
AC074367.1	-6.47	9.85E-09	4.92E-08
ASH2L	0.55	9.86E-09	4.92E-08
TOR1AIP1	-0.64	9.86E-09	4.92E-08
RP11-687F6.4	-6.39	9.89E-09	4.94E-08
SNORD66	-7.68	9.92E-09	4.95E-08
CACYBPP1	-6.38	9.92E-09	4.95E-08
DCAF17	-0.79	9.98E-09	4.98E-08
PPP1R12A	-0.71	9.99E-09	4.99E-08
GS1-124K5.2	-1.72	1.00E-08	5.01E-08
ST3GAL1	1.82	1.00E-08	5.01E-08
ARAP1-AS2	-3.46	1.01E-08	5.04E-08
TOLLIP-AS1	1.91	1.02E-08	5.07E-08
GJA1P1	-3.58	1.02E-08	5.10E-08
WEE1	-1.24	1.02E-08	5.10E-08
RITA1	0.80	1.03E-08	5.11E-08
ASXL2	-0.73	1.03E-08	5.12E-08
FAM69C	-1.74	1.03E-08	5.13E-08
PCCA-AS1	-4.62	1.03E-08	5.13E-08
NUDCD3	0.57	1.03E-08	5.13E-08
SNORD67	-6.63	1.03E-08	5.14E-08
RP11-154H23.3	-4.35	1.03E-08	5.14E-08
URGCP	0.66	1.04E-08	5.15E-08
CHM	-0.80	1.04E-08	5.18E-08
JAK1	-0.68	1.04E-08	5.18E-08
RP11-440L14.1	-1.83	1.04E-08	5.18E-08
INPP5B	-0.63	1.05E-08	5.20E-08

MUTYH	1.12	1.05E-08	5.20E-08
RP11-635N19.2	-4.58	1.05E-08	5.20E-08
ABHD8	1.07	1.05E-08	5.21E-08
RP11-243J16.7	-4.25	1.05E-08	5.23E-08
RP11-1046B16.3	-3.78	1.06E-08	5.25E-08
KCNJ9	-3.38	1.06E-08	5.26E-08
ADNP2	-0.65	1.06E-08	5.28E-08
TSPAN17	1.12	1.06E-08	5.29E-08
MACC1-AS1	-6.16	1.07E-08	5.32E-08
RP11-135J2.3	-5.19	1.07E-08	5.33E-08
TNFRSF14	1.68	1.08E-08	5.35E-08
GPR61	-2.50	1.08E-08	5.37E-08
SNORA35	-6.83	1.08E-08	5.39E-08
FTLP6	-6.34	1.09E-08	5.40E-08
TST	1.27	1.09E-08	5.40E-08
RANGAP1	0.83	1.09E-08	5.40E-08
HGD	-5.77	1.09E-08	5.41E-08
TPBGL	4.17	1.09E-08	5.42E-08
snoU2_19	-6.32	1.10E-08	5.45E-08
PLXNC1	-1.29	1.10E-08	5.48E-08
RP11-53B2.2	-3.68	1.11E-08	5.49E-08
TCOF1	0.78	1.11E-08	5.52E-08
RP11-649G15.2	-1.42	1.12E-08	5.54E-08
RP11-44F14.6	-1.63	1.12E-08	5.54E-08
PRDX4	1.22	1.12E-08	5.56E-08
PIGN	-0.94	1.13E-08	5.60E-08
DDX18P5	-6.31	1.13E-08	5.61E-08
MAPK6PS3	-6.43	1.13E-08	5.62E-08
RP11-17G12.2	-3.46	1.14E-08	5.64E-08
EDEM1	-0.66	1.14E-08	5.64E-08
FGF7	2.81	1.14E-08	5.64E-08
G9222	-3.84	1.14E-08	5.65E-08
RNF41	0.46	1.14E-08	5.65E-08
RP11-391H12.8	-3.67	1.15E-08	5.71E-08
LMBR1L	1.00	1.16E-08	5.74E-08
RP11-462D18.2	-6.48	1.17E-08	5.77E-08
RP11-680F20.9	-3.12	1.17E-08	5.77E-08
MBOAT1	-1.20	1.17E-08	5.78E-08
RPS2P44	-6.10	1.17E-08	5.80E-08
RP11-52J3.3	-6.23	1.17E-08	5.80E-08
GAPDHP42	-4.29	1.18E-08	5.82E-08
ACAN	4.40	1.18E-08	5.85E-08
RP11-180P8.3	-4.45	1.19E-08	5.86E-08
G23773	-3.75	1.19E-08	5.86E-08
KLHDC1	-0.96	1.19E-08	5.86E-08

KCNJ1	-3.64	1.19E-08	5.88E-08
TTC39B	-1.10	1.19E-08	5.88E-08
RPS11	0.79	1.20E-08	5.90E-08
MFSD6	-1.06	1.20E-08	5.92E-08
EHD3	1.42	1.20E-08	5.94E-08
RP11-100G15.12	-6.44	1.20E-08	5.94E-08
HSD11B2	2.42	1.21E-08	5.99E-08
SYT11	1.48	1.22E-08	6.01E-08
ATXN2L	1.18	1.22E-08	6.03E-08
CCNC	-0.76	1.22E-08	6.04E-08
RP11-571I18.4	-2.42	1.23E-08	6.06E-08
BNIP1	0.89	1.23E-08	6.07E-08
AKR7A2	0.63	1.23E-08	6.08E-08
BAG5	-0.82	1.24E-08	6.11E-08
RP11-75A9.3	-4.53	1.24E-08	6.13E-08
RASSF8-AS1	1.74	1.24E-08	6.13E-08
JTB	0.61	1.25E-08	6.14E-08
VTI1A	-0.57	1.25E-08	6.14E-08
TMEM11	0.71	1.25E-08	6.16E-08
METAP2	0.89	1.26E-08	6.20E-08
G35951	3.03	1.27E-08	6.24E-08
FAM185BP	-2.06	1.27E-08	6.25E-08
LLGL1	0.70	1.27E-08	6.25E-08
ANXA6	1.78	1.27E-08	6.26E-08
GATAD1	0.91	1.27E-08	6.26E-08
SPHK2	1.40	1.28E-08	6.30E-08
RP11-210N13.1	-6.09	1.28E-08	6.31E-08
CTD-2561B21.5	-4.45	1.28E-08	6.32E-08
SLC25A39P1	-6.27	1.29E-08	6.33E-08
USP4	0.53	1.29E-08	6.34E-08
TFRC	-1.46	1.29E-08	6.34E-08
AATF	0.67	1.29E-08	6.34E-08
RP3-523K23.2	-1.04	1.29E-08	6.36E-08
SYF2	0.85	1.30E-08	6.40E-08
SLC36A3	-3.47	1.30E-08	6.40E-08
FCRLB	1.75	1.30E-08	6.41E-08
DCLRE1A	-0.80	1.32E-08	6.49E-08
FMO2	3.06	1.33E-08	6.52E-08
ETS2	0.93	1.33E-08	6.53E-08
RP13-93L13.2	-6.34	1.34E-08	6.56E-08
TFAP2A	1.05	1.34E-08	6.60E-08
FNDC4	2.36	1.35E-08	6.61E-08
RP11-982M15.5	-6.13	1.35E-08	6.62E-08
YIPF6	-0.65	1.35E-08	6.65E-08
ZNF816	-1.11	1.36E-08	6.65E-08

RP11-463D19.1	-4.70	1.36E-08	6.66E-08
RP11-449G16.1	-4.21	1.39E-08	6.80E-08
CYTH4	2.51	1.39E-08	6.82E-08
CTC-444N24.6	-1.93	1.39E-08	6.82E-08
DNM3	-1.30	1.39E-08	6.83E-08
RBM27	-1.03	1.40E-08	6.86E-08
MIF-AS1	-3.30	1.42E-08	6.96E-08
RAPGEF3	1.58	1.43E-08	7.00E-08
MIR573	-2.44	1.43E-08	7.01E-08
PRUNE	0.62	1.43E-08	7.02E-08
CA4	4.07	1.45E-08	7.09E-08
CDC42EP3P1	-6.10	1.45E-08	7.09E-08
CBARP	1.48	1.45E-08	7.10E-08
SMAGP	0.93	1.45E-08	7.12E-08
RHBDF1	0.89	1.45E-08	7.12E-08
TRIM16	1.00	1.46E-08	7.12E-08
RP11-276H19.1	-1.27	1.46E-08	7.14E-08
GAS7	-1.00	1.46E-08	7.16E-08
SLC35F1	-1.95	1.47E-08	7.17E-08
ZNF101	-0.58	1.47E-08	7.17E-08
AC016909.1	-6.28	1.47E-08	7.19E-08
FOXN3-AS2	-6.38	1.47E-08	7.19E-08
TMEM43	-0.72	1.47E-08	7.19E-08
RP13-39P12.2	-2.20	1.48E-08	7.21E-08
DDR1	0.89	1.48E-08	7.24E-08
PARPBP	-1.12	1.49E-08	7.27E-08
G28632	-6.36	1.49E-08	7.28E-08
TAS2R18	-3.40	1.49E-08	7.29E-08
RP11-17G12.3	-6.26	1.49E-08	7.29E-08
H2AFY2	1.10	1.50E-08	7.31E-08
ZNF844	-0.74	1.50E-08	7.33E-08
ZNF789	-1.21	1.51E-08	7.36E-08
RNF181	0.74	1.51E-08	7.37E-08
RP11-631N16.4	-2.29	1.52E-08	7.40E-08
MANEA	-1.03	1.52E-08	7.41E-08
PVT1	1.64	1.52E-08	7.42E-08
ULBP2	4.26	1.52E-08	7.42E-08
snoU109	-1.89	1.52E-08	7.42E-08
OR10AD1	-6.38	1.53E-08	7.47E-08
RP11-508N22.12	-2.21	1.53E-08	7.48E-08
RNU6-638P	-6.25	1.54E-08	7.49E-08
RP11-887P2.5	-3.06	1.54E-08	7.53E-08
STEAP4	2.04	1.55E-08	7.54E-08
RNU6-36P	-6.21	1.55E-08	7.54E-08
S100A14	1.18	1.55E-08	7.54E-08

KCNV1	-6.13	1.55E-08	7.54E-08
GBA	1.14	1.55E-08	7.55E-08
AL035610.2	-6.27	1.56E-08	7.58E-08
XPNPEP1	-0.36	1.56E-08	7.59E-08
GYLTL1B	1.19	1.56E-08	7.60E-08
XLOC_008614	-2.44	1.56E-08	7.61E-08
IRF1	1.28	1.57E-08	7.62E-08
DNAJC7	0.49	1.57E-08	7.63E-08
HSD17B13	-4.66	1.58E-08	7.69E-08
CTC-529I10.1	-3.72	1.58E-08	7.71E-08
AP000462.1	-6.75	1.59E-08	7.74E-08
MPST	0.95	1.60E-08	7.77E-08
GULP1	-1.44	1.60E-08	7.77E-08
PIGZ	1.13	1.61E-08	7.84E-08
MT-ND5	3.70	1.61E-08	7.84E-08
G13883	4.92	1.62E-08	7.85E-08
RP11-705O1.8	-2.82	1.62E-08	7.85E-08
WDTC1	0.94	1.62E-08	7.85E-08
RP11-812I20.2	-6.16	1.63E-08	7.90E-08
NFYC-AS1	-2.08	1.64E-08	7.99E-08
NRXN1	-2.68	1.64E-08	7.99E-08
THAP8	0.96	1.65E-08	7.99E-08
EEF2	0.68	1.65E-08	8.00E-08
RP11-8L18.2	-3.43	1.65E-08	8.03E-08
HPGDS	-1.67	1.66E-08	8.05E-08
RP11-255H23.5	-5.13	1.67E-08	8.09E-08
GIN1	-0.89	1.67E-08	8.11E-08
STEAP3	1.23	1.68E-08	8.15E-08
C5orf49	-2.21	1.69E-08	8.18E-08
DDX49	0.67	1.69E-08	8.21E-08
SLC22A15	-0.99	1.70E-08	8.26E-08
UBE2Q1	0.47	1.71E-08	8.28E-08
MAX	0.51	1.71E-08	8.29E-08
MYO3A	-3.37	1.72E-08	8.34E-08
FPGT	-0.89	1.73E-08	8.37E-08
ZNF568	-0.64	1.74E-08	8.43E-08
UGT1A6	-2.06	1.74E-08	8.44E-08
INSL6	-4.51	1.75E-08	8.47E-08
AC099684.1	-4.64	1.76E-08	8.51E-08
CKAP5	-0.55	1.76E-08	8.54E-08
TP53TG1	0.89	1.77E-08	8.55E-08
GIMAP8	1.64	1.77E-08	8.57E-08
NASP	0.64	1.78E-08	8.61E-08
COG6	-0.72	1.78E-08	8.62E-08
PRKRIRP7	-2.23	1.79E-08	8.64E-08

MFAP3L	-1.25	1.79E-08	8.66E-08
CTC-534A2.2	-1.19	1.80E-08	8.70E-08
MIS18A	0.98	1.80E-08	8.70E-08
OSCAR	1.96	1.81E-08	8.77E-08
SMYD4	0.49	1.83E-08	8.86E-08
SDAD1	-0.63	1.84E-08	8.90E-08
CHST10	1.65	1.84E-08	8.92E-08
RPL7L1P2	-6.34	1.85E-08	8.92E-08
AC007191.4	-1.87	1.85E-08	8.92E-08
AREG	3.43	1.85E-08	8.93E-08
RP11-210K20.5	-6.23	1.85E-08	8.95E-08
RP11-62G11.1	-6.10	1.85E-08	8.95E-08
AC004471.9	-3.20	1.85E-08	8.95E-08
FAM122A	-0.65	1.86E-08	8.97E-08
AF131215.4	-6.29	1.86E-08	9.00E-08
ADGRL3	-2.40	1.87E-08	9.05E-08
RP11-10L12.2	-6.32	1.88E-08	9.05E-08
FLAD1	0.74	1.88E-08	9.09E-08
HSF2	-0.89	1.89E-08	9.13E-08
PRR13	0.93	1.90E-08	9.15E-08
RP11-154D6.1	-1.78	1.90E-08	9.16E-08
RP11-388M20.1	-3.56	1.90E-08	9.18E-08
UBXN2B	-0.93	1.91E-08	9.20E-08
TPT1P10	-6.17	1.91E-08	9.20E-08
CPSF7	0.63	1.91E-08	9.23E-08
CTD-2562G15.3	-3.53	1.92E-08	9.24E-08
RP11-739N20.2	-2.98	1.92E-08	9.25E-08
FAM169A	-1.82	1.93E-08	9.32E-08
MYOM3	1.88	1.95E-08	9.40E-08
ANK2	-1.80	1.95E-08	9.40E-08
WDR53	1.04	1.96E-08	9.43E-08
ADCYAP1R1	2.35	1.97E-08	9.47E-08
COL18A1-AS1	-3.85	1.97E-08	9.50E-08
SNORA11	-2.40	1.99E-08	9.57E-08
SCAMP2	0.62	2.00E-08	9.65E-08
OSGEPL1	-0.77	2.01E-08	9.65E-08
SSRP1	0.54	2.01E-08	9.68E-08
SDE2	-0.75	2.02E-08	9.71E-08
KRT16P5	4.36	2.02E-08	9.72E-08
NAPA	0.67	2.02E-08	9.73E-08
TMED3	0.76	2.03E-08	9.76E-08
SMPD4	0.70	2.04E-08	9.79E-08
RPS21	1.07	2.04E-08	9.79E-08
THEGL	-3.42	2.04E-08	9.83E-08
DTL	-1.01	2.05E-08	9.83E-08

EXTL3	0.71	2.05E-08	9.84E-08
ADNP	-0.52	2.05E-08	9.87E-08
ZNF136	-0.75	2.06E-08	9.89E-08
ADGRB2	1.66	2.06E-08	9.91E-08
ROS1	-5.96	2.07E-08	9.92E-08
ADAMTS1	1.59	2.07E-08	9.93E-08
ITSN2	-0.72	2.07E-08	9.95E-08
SLC37A4	0.78	2.08E-08	1.00E-07
LGALS9B	4.98	2.08E-08	1.00E-07
MSH3	-0.71	2.09E-08	1.00E-07
DAAM1	-0.92	2.10E-08	1.01E-07
CWC27	0.74	2.10E-08	1.01E-07
POLR3GL	1.04	2.10E-08	1.01E-07
ANKRD54	0.73	2.10E-08	1.01E-07
TP73-AS1	0.89	2.10E-08	1.01E-07
XLOC_014080	-2.65	2.11E-08	1.01E-07
POC1B	-0.64	2.11E-08	1.01E-07
ZNRF3-IT1	-6.06	2.12E-08	1.02E-07
TP53INP1	-0.77	2.12E-08	1.02E-07
LINC00896	-2.75	2.12E-08	1.02E-07
NCL	0.89	2.12E-08	1.02E-07
CACNB3	0.93	2.12E-08	1.02E-07
TTC3-AS1	-6.12	2.12E-08	1.02E-07
PAAF1	0.51	2.13E-08	1.02E-07
XLOC_014097	-2.72	2.13E-08	1.02E-07
IGHG1	6.44	2.13E-08	1.02E-07
APLP1	2.22	2.14E-08	1.02E-07
ODF3L1	-2.90	2.15E-08	1.03E-07
AC009542.2	-5.74	2.15E-08	1.03E-07
HAO2	-5.93	2.15E-08	1.03E-07
ING2	0.92	2.16E-08	1.03E-07
NUDT4	0.89	2.16E-08	1.03E-07
RP11-278C7.5	-2.78	2.16E-08	1.04E-07
BOLA1	0.75	2.17E-08	1.04E-07
ZNF316	0.88	2.18E-08	1.04E-07
GDPD5	2.19	2.19E-08	1.04E-07
SFT2D1	0.48	2.20E-08	1.05E-07
MIR99A	-6.09	2.21E-08	1.05E-07
MMP24	-1.71	2.21E-08	1.06E-07
UHRF2P1	-6.30	2.22E-08	1.06E-07
RAB11FIP4	-0.89	2.22E-08	1.06E-07
EBF3	1.66	2.23E-08	1.06E-07
CLCF1	2.00	2.23E-08	1.06E-07
CD9	0.89	2.23E-08	1.06E-07
ZNF512B	0.73	2.24E-08	1.07E-07

SS18L1	-0.74	2.24E-08	1.07E-07
PITRM1-AS1	-2.04	2.25E-08	1.07E-07
CARNMT1	-0.90	2.25E-08	1.07E-07
TBCK	-1.09	2.25E-08	1.07E-07
SERINC5	-0.72	2.25E-08	1.07E-07
ADGB	-3.17	2.25E-08	1.07E-07
RFX1	1.40	2.25E-08	1.07E-07
FUZ	0.92	2.25E-08	1.07E-07
AC009120.5	-1.84	2.25E-08	1.07E-07
RP11-517I3.1	-2.62	2.27E-08	1.08E-07
RP4-794H19.1	2.63	2.27E-08	1.08E-07
SMTNL2	2.93	2.28E-08	1.09E-07
SORBS1	-0.89	2.28E-08	1.09E-07
LRRTM2	-2.42	2.28E-08	1.09E-07
COX5B	0.87	2.31E-08	1.10E-07
YEATS2-AS1	-2.53	2.31E-08	1.10E-07
RP11-410E4.1	-2.81	2.32E-08	1.10E-07
TFDP2	-0.73	2.32E-08	1.11E-07
DBN1	1.89	2.33E-08	1.11E-07
ABCC1	0.74	2.33E-08	1.11E-07
RP11-1D12.1	-6.26	2.35E-08	1.12E-07
KANK2	1.46	2.36E-08	1.12E-07
U3	-1.74	2.37E-08	1.13E-07
PKHD1	-3.21	2.37E-08	1.13E-07
PSG5	-5.15	2.38E-08	1.13E-07
RP11-160A9.3	-6.25	2.38E-08	1.13E-07
NATD1	1.02	2.38E-08	1.13E-07
RPL18	0.83	2.38E-08	1.13E-07
SIX2	3.82	2.38E-08	1.13E-07
SH3PXD2B	1.13	2.39E-08	1.14E-07
THUMPD1	-0.59	2.40E-08	1.14E-07
ABHD6	-1.00	2.40E-08	1.14E-07
ALS2CR12	-2.67	2.40E-08	1.14E-07
CTDP1	0.78	2.40E-08	1.14E-07
INPP5E	0.99	2.42E-08	1.15E-07
GPBP1	-0.54	2.43E-08	1.15E-07
RP11-289A15.1	-4.63	2.44E-08	1.16E-07
RMDN1	-0.50	2.44E-08	1.16E-07
RP11-45M22.3	-4.86	2.47E-08	1.17E-07
ZNF284	-0.96	2.47E-08	1.17E-07
FAM133B	0.93	2.47E-08	1.17E-07
PACS2	0.77	2.48E-08	1.18E-07
ENHO	-3.21	2.49E-08	1.18E-07
LARGE-AS1	-6.23	2.50E-08	1.19E-07
SYT14	-3.72	2.50E-08	1.19E-07

RP11-503N18.5	-3.73	2.52E-08	1.19E-07
RP11-95O2.1	-3.05	2.52E-08	1.20E-07
MIR920	-6.50	2.52E-08	1.20E-07
CNRIP1	1.87	2.53E-08	1.20E-07
CNOT4	-0.65	2.53E-08	1.20E-07
TMEM245	-0.54	2.54E-08	1.20E-07
RNU6-4P	-5.11	2.54E-08	1.20E-07
GAPDHP49	-4.58	2.54E-08	1.20E-07
TSPAN11	2.00	2.54E-08	1.21E-07
CCDC174	0.47	2.55E-08	1.21E-07
ZNF823	-0.69	2.55E-08	1.21E-07
TMEM240	3.05	2.56E-08	1.21E-07
NUDT21	-0.81	2.56E-08	1.21E-07
HOPX	-1.45	2.56E-08	1.21E-07
RPL7A	0.83	2.57E-08	1.21E-07
RP11-123O10.1	-6.47	2.57E-08	1.22E-07
IAH1	0.74	2.57E-08	1.22E-07
ADAM19	2.32	2.58E-08	1.22E-07
RP11-464C19.3	-5.00	2.59E-08	1.22E-07
PRSS35	4.30	2.59E-08	1.23E-07
SLCO4C1	-5.29	2.59E-08	1.23E-07
CADM4	1.06	2.60E-08	1.23E-07
MFSD1P1	-5.84	2.60E-08	1.23E-07
AC016831.7	-3.01	2.61E-08	1.23E-07
NOS2	3.29	2.62E-08	1.24E-07
C11orf42	-4.27	2.63E-08	1.24E-07
CYP20A1	-0.62	2.63E-08	1.24E-07
DOCK4-AS1	-6.08	2.64E-08	1.25E-07
RPL9P32	-6.39	2.64E-08	1.25E-07
HMGB1P14	-5.09	2.64E-08	1.25E-07
TBX6	1.84	2.65E-08	1.25E-07
NDUFB11	0.77	2.66E-08	1.26E-07
PPP1R13B	0.63	2.67E-08	1.26E-07
RP11-127B20.2	-1.89	2.67E-08	1.26E-07
MGST3	0.76	2.70E-08	1.27E-07
BOLA3	1.08	2.70E-08	1.27E-07
S1PR3	1.70	2.70E-08	1.27E-07
RP11-552C15.1	-6.21	2.71E-08	1.28E-07
GNLY	2.84	2.73E-08	1.29E-07
KRT8P46	-2.40	2.74E-08	1.29E-07
RP11-620J15.3	1.65	2.75E-08	1.30E-07
FCHSD2	0.68	2.76E-08	1.30E-07
CRNKL1	-0.55	2.76E-08	1.30E-07
RP11-16E23.4	-5.12	2.76E-08	1.30E-07
RP11-93G5.1	-5.11	2.77E-08	1.30E-07

XLOC_001195	3.25	2.80E-08	1.32E-07
AMN	1.65	2.80E-08	1.32E-07
BMP2K	-0.88	2.83E-08	1.33E-07
VTI1B	-0.48	2.83E-08	1.33E-07
KDM6B	1.70	2.84E-08	1.34E-07
RN7SKP230	-3.73	2.84E-08	1.34E-07
SGSM1	-1.90	2.85E-08	1.34E-07
FAM53B-AS1	-5.96	2.86E-08	1.34E-07
STRN3	-0.62	2.86E-08	1.35E-07
SMOC1	2.40	2.86E-08	1.35E-07
MBLAC1	1.15	2.87E-08	1.35E-07
GSTO2	-1.01	2.87E-08	1.35E-07
CSMD2	3.39	2.87E-08	1.35E-07
RP11-700J17.1	-2.14	2.88E-08	1.35E-07
LAMC1	1.38	2.88E-08	1.35E-07
FYTTD1	-0.87	2.88E-08	1.36E-07
PAX3	-1.49	2.89E-08	1.36E-07
SLC45A3	1.62	2.89E-08	1.36E-07
SMIM18	-3.19	2.90E-08	1.36E-07
AL590452.1	-2.98	2.90E-08	1.36E-07
NTF3	2.01	2.91E-08	1.37E-07
GPX7	1.75	2.91E-08	1.37E-07
WFIKKN2	-4.11	2.93E-08	1.37E-07
MTOR	-0.61	2.93E-08	1.37E-07
AC037445.1	-6.19	2.93E-08	1.37E-07
REPS2	-0.95	2.95E-08	1.38E-07
NAA20	0.82	2.95E-08	1.38E-07
EEF1A1P30	-6.08	2.98E-08	1.40E-07
TLE6	2.95	2.98E-08	1.40E-07
LINC00571	-2.11	2.99E-08	1.40E-07
EED	-0.71	2.99E-08	1.40E-07
HSPE1P13	-6.25	3.00E-08	1.41E-07
ZCCHC4	-0.71	3.02E-08	1.41E-07
G23772	-6.09	3.03E-08	1.42E-07
ZDHHC20	-0.92	3.04E-08	1.42E-07
AC068020.1	-6.16	3.05E-08	1.43E-07
SNORD99	-4.60	3.05E-08	1.43E-07
RP11-161I2.1	-4.59	3.05E-08	1.43E-07
KCNMB4	-1.42	3.05E-08	1.43E-07
CLK2	1.01	3.08E-08	1.44E-07
AP000695.6	4.45	3.09E-08	1.45E-07
RPL27A	0.76	3.10E-08	1.45E-07
CLNK	-2.07	3.11E-08	1.45E-07
CPED1	-1.58	3.13E-08	1.46E-07
LIMCH1	1.06	3.13E-08	1.46E-07

SPATA13	-0.88	3.14E-08	1.47E-07
RP11-164N3.3	-5.88	3.15E-08	1.47E-07
PLD1	-0.94	3.15E-08	1.47E-07
FKBPL	1.20	3.17E-08	1.48E-07
MAP2K5	0.89	3.17E-08	1.48E-07
DRG1	0.68	3.17E-08	1.48E-07
NRG4	-1.23	3.19E-08	1.49E-07
RP11-230C9.3	-6.22	3.20E-08	1.49E-07
CYP11A1	4.32	3.20E-08	1.50E-07
PQLC2	0.78	3.21E-08	1.50E-07
VTRNA1-1	-6.24	3.22E-08	1.50E-07
RP3-342P20.2	-2.31	3.22E-08	1.50E-07
PLK4	-0.77	3.23E-08	1.51E-07
PRKD3	-0.67	3.24E-08	1.51E-07
SLC2A3P2	-6.08	3.27E-08	1.52E-07
RP11-175O19.4	-0.77	3.29E-08	1.54E-07
ZNF43	-1.30	3.30E-08	1.54E-07
PLEKHH1	-1.60	3.30E-08	1.54E-07
RP11-557N21.1	-4.54	3.31E-08	1.54E-07
CD79B	2.71	3.31E-08	1.54E-07
PHF7	0.92	3.32E-08	1.55E-07
CUTC	0.81	3.32E-08	1.55E-07
RP3-323N1.2	-6.25	3.32E-08	1.55E-07
AMZ2	0.74	3.35E-08	1.56E-07
NEUROD2	-3.29	3.35E-08	1.56E-07
CYP1A2	-7.42	3.37E-08	1.57E-07
THEM6	0.88	3.38E-08	1.57E-07
RP1-5O6.4	-6.04	3.38E-08	1.57E-07
ATAD3A	1.03	3.38E-08	1.58E-07
GPR37L1	-2.96	3.40E-08	1.58E-07
CDH15	4.18	3.40E-08	1.59E-07
HSD17B6	2.81	3.46E-08	1.61E-07
SACM1L	-0.64	3.46E-08	1.61E-07
SPATA20	1.34	3.48E-08	1.62E-07
G4388	-2.43	3.48E-08	1.62E-07
GNL3L	-0.63	3.49E-08	1.62E-07
RP11-767L7.2	-6.18	3.51E-08	1.63E-07
FAM180B	-2.84	3.51E-08	1.63E-07
RP11-890B15.3	-0.91	3.52E-08	1.64E-07
EEF1A1P25	-4.53	3.53E-08	1.64E-07
HSD17B12	-0.87	3.54E-08	1.65E-07
DLGAP4	0.79	3.55E-08	1.65E-07
AL160175.1	-5.88	3.58E-08	1.66E-07
RP5-1033H22.2	-2.39	3.59E-08	1.67E-07
LINC01615	4.41	3.59E-08	1.67E-07

Gene	Value	p-value	adj p-value
UBL4B	4.94	3.61E-08	1.68E-07
LINC00997	1.65	3.61E-08	1.68E-07
SNHG12	-2.42	3.63E-08	1.68E-07
ABCF1	0.64	3.63E-08	1.69E-07
MEX3A	1.92	3.63E-08	1.69E-07
HDAC3	0.44	3.63E-08	1.69E-07
RPLP1	0.96	3.64E-08	1.69E-07
TK1	1.22	3.65E-08	1.69E-07
RNF170	-0.64	3.68E-08	1.71E-07
LINC01137	1.06	3.68E-08	1.71E-07
LDHAL6A	-2.56	3.70E-08	1.72E-07
CTD-2339M3.1	-6.07	3.70E-08	1.72E-07
RP11-930P14.2	1.98	3.72E-08	1.72E-07
GLT1D1	1.21	3.72E-08	1.73E-07
TMEM26	5.50	3.73E-08	1.73E-07
S100A7	4.97	3.74E-08	1.73E-07
SNORD83A	-3.68	3.75E-08	1.74E-07
KMT2B	1.35	3.76E-08	1.74E-07
RHOA	0.69	3.76E-08	1.74E-07
BRD7P4	-6.36	3.78E-08	1.75E-07
SLAMF7	1.87	3.78E-08	1.75E-07
SRP54-AS1	-1.70	3.78E-08	1.75E-07
SLC35F2	-0.80	3.79E-08	1.75E-07
ABT1	0.72	3.79E-08	1.75E-07
RNF130	1.13	3.79E-08	1.76E-07
CPA6	5.60	3.80E-08	1.76E-07
TEK	1.68	3.81E-08	1.76E-07
ITPRIPL2	-0.73	3.81E-08	1.76E-07
RP11-709D24.8	-3.18	3.82E-08	1.77E-07
UBE2O	0.63	3.84E-08	1.78E-07
KDELC1	1.44	3.85E-08	1.78E-07
CTD-3157E16.1	2.22	3.88E-08	1.80E-07
HK2	1.50	3.89E-08	1.80E-07
ARTN	3.58	3.89E-08	1.80E-07
C6orf136	1.12	3.90E-08	1.80E-07
NPM1P43	-6.21	3.91E-08	1.81E-07
GPR1	1.70	3.92E-08	1.81E-07
LAT2	1.85	3.93E-08	1.82E-07
ZFAS1	0.81	3.94E-08	1.82E-07
RP5-1063M23.1	-5.84	3.95E-08	1.83E-07
RP11-150O12.3	-2.89	3.95E-08	1.83E-07
RP4-798A10.2	-1.40	3.96E-08	1.83E-07
RGS17P1	-4.14	3.96E-08	1.83E-07
SRGAP3-AS2	-6.11	3.97E-08	1.84E-07
RNU6-1275P	-6.22	3.98E-08	1.84E-07

TOP1MT	0.80	4.00E-08	1.85E-07
ABHD18	-0.66	4.00E-08	1.85E-07
TNIP3	3.97	4.00E-08	1.85E-07
HS1BP3	0.72	4.03E-08	1.86E-07
SCN9A	-1.86	4.03E-08	1.86E-07
AJUBA	-0.77	4.03E-08	1.86E-07
ADAMTS10	2.29	4.04E-08	1.86E-07
MYOM2	-1.75	4.04E-08	1.86E-07
AC116366.5	-6.03	4.04E-08	1.87E-07
KLHL42	-0.60	4.05E-08	1.87E-07
AP000962.2	-3.69	4.06E-08	1.87E-07
MMP17	1.63	4.07E-08	1.87E-07
RP11-631M6.3	-4.66	4.07E-08	1.88E-07
ARNT	-0.47	4.07E-08	1.88E-07
RP11-968A15.2	-3.49	4.07E-08	1.88E-07
FAM179A	-2.72	4.08E-08	1.88E-07
CALM2P2	-2.38	4.09E-08	1.88E-07
RP11-445J14.1	-6.23	4.09E-08	1.88E-07
AASDH	-0.67	4.10E-08	1.89E-07
CUL3	-0.65	4.10E-08	1.89E-07
HIST1H2AC	-1.73	4.11E-08	1.89E-07
ZNF35	-0.72	4.11E-08	1.89E-07
CTD-2666L21.2	-2.59	4.12E-08	1.90E-07
RP11-81A1.6	-1.24	4.13E-08	1.90E-07
RP11-506H20.2	-6.14	4.14E-08	1.90E-07
CCDC125	-0.68	4.14E-08	1.91E-07
PIGO	0.57	4.15E-08	1.91E-07
DSC1	-1.62	4.17E-08	1.92E-07
ABR	0.65	4.18E-08	1.92E-07
CD300A	1.90	4.18E-08	1.92E-07
GFOD2	0.91	4.18E-08	1.92E-07
CMKLR1	2.38	4.19E-08	1.93E-07
SS18	-0.53	4.20E-08	1.93E-07
SLC25A10	1.23	4.20E-08	1.93E-07
AGFG1	-0.59	4.21E-08	1.93E-07
RP11-126O1.4	-5.02	4.22E-08	1.94E-07
MESP2	3.38	4.22E-08	1.94E-07
CIAO1	0.43	4.22E-08	1.94E-07
NCOR1	-0.57	4.23E-08	1.94E-07
CENPI	-1.10	4.24E-08	1.94E-07
PRSS48	-4.02	4.25E-08	1.95E-07
KIF15	-0.99	4.25E-08	1.95E-07
MTUS2	-1.98	4.27E-08	1.96E-07
LINC00278	-1.85	4.28E-08	1.96E-07
RP11-849N15.3	-2.97	4.31E-08	1.98E-07

LPAR5	1.10	4.31E-08	1.98E-07
PDXP	2.75	4.32E-08	1.98E-07
GOLGA6L4	2.65	4.34E-08	1.99E-07
CTD-2201E9.1	-5.37	4.35E-08	2.00E-07
RP11-665C16.1	-6.03	4.37E-08	2.00E-07
GPR151	-5.89	4.37E-08	2.00E-07
C16orf45	1.89	4.40E-08	2.02E-07
MCM9	-0.69	4.40E-08	2.02E-07
C16orf91	0.72	4.42E-08	2.03E-07
MFAP3	-0.79	4.42E-08	2.03E-07
RP11-141B14.2	-4.71	4.43E-08	2.03E-07
SLC20A1	1.35	4.43E-08	2.03E-07
GRIN2D	2.19	4.43E-08	2.03E-07
MRFAP1L1	0.65	4.44E-08	2.03E-07
BIRC6-AS1	-6.23	4.45E-08	2.03E-07
BICD1	1.70	4.46E-08	2.04E-07
CACNG8	4.14	4.46E-08	2.04E-07
KRT18P37	-5.94	4.47E-08	2.05E-07
RP11-494M8.4	-1.99	4.49E-08	2.06E-07
RPL12P44	-2.83	4.50E-08	2.06E-07
TLR2	2.02	4.51E-08	2.06E-07
G23276	-5.84	4.55E-08	2.08E-07
MACROD2-AS1	-6.52	4.56E-08	2.09E-07
NDST3	-3.21	4.58E-08	2.09E-07
CH25H	2.85	4.61E-08	2.11E-07
SLC22A17	1.29	4.64E-08	2.12E-07
MUC15	-1.48	4.65E-08	2.12E-07
BMP7	-1.24	4.65E-08	2.13E-07
NOXA1	1.84	4.66E-08	2.13E-07
AC007317.1	-6.28	4.67E-08	2.13E-07
AC004076.5	-2.11	4.69E-08	2.14E-07
LINC01314	-2.44	4.72E-08	2.16E-07
FRG2HP	-2.39	4.73E-08	2.16E-07
RP11-307L3.4	-5.91	4.73E-08	2.16E-07
FUCA2	1.31	4.73E-08	2.16E-07
LCAT	1.75	4.74E-08	2.16E-07
UQCRBP1	-6.02	4.75E-08	2.17E-07
ACSBG2	-3.44	4.75E-08	2.17E-07
ZNF562	-0.79	4.79E-08	2.19E-07
TCAIM	-0.78	4.83E-08	2.20E-07
WDR49	-5.99	4.86E-08	2.22E-07
TXK	-1.32	4.87E-08	2.22E-07
GPX8	1.78	4.88E-08	2.23E-07
CTD-2623N2.3	-1.91	4.90E-08	2.23E-07
SNORA80B	-6.25	4.92E-08	2.24E-07

GOLM1	1.13	4.93E-08	2.25E-07
BRD8	0.76	4.94E-08	2.25E-07
RP11-1398P2.1	3.07	4.94E-08	2.25E-07
AC007690.1	-4.45	4.95E-08	2.25E-07
C9orf78	0.75	4.95E-08	2.25E-07
RP11-338I21.1	-1.87	4.95E-08	2.25E-07
SLX4IP	-0.93	4.95E-08	2.26E-07
AC006145.4	-6.12	4.98E-08	2.27E-07
WDR76	-0.92	4.99E-08	2.27E-07
CBX7	0.85	4.99E-08	2.27E-07
SRXN1	2.56	5.01E-08	2.28E-07
ACTRT3	1.94	5.02E-08	2.28E-07
RP11-167N5.5	-5.97	5.03E-08	2.29E-07
GHc-857G6.7	-2.70	5.03E-08	2.29E-07
AC016735.2	-1.94	5.03E-08	2.29E-07
STAC3	1.84	5.05E-08	2.30E-07
AF131215.1	-6.04	5.05E-08	2.30E-07
LARP7	0.76	5.05E-08	2.30E-07
RP5-1042K10.12	-5.95	5.07E-08	2.31E-07
5-Mar	0.72	5.08E-08	2.31E-07
RP11-1148O4.2	-5.94	5.09E-08	2.31E-07
ADAMTS16	3.13	5.10E-08	2.32E-07
REC114	-5.94	5.10E-08	2.32E-07
RBM14-RBM4	-4.93	5.13E-08	2.33E-07
RP11-315D13.1	-6.09	5.14E-08	2.34E-07
SF3A1	0.52	5.15E-08	2.34E-07
RERG	2.03	5.16E-08	2.34E-07
CCDC113	-0.81	5.16E-08	2.34E-07
MIR215	-5.77	5.19E-08	2.35E-07
CTD-3253I12.1	-6.16	5.24E-08	2.38E-07
LPAR4	3.29	5.28E-08	2.40E-07
RP11-526F3.1	-6.15	5.28E-08	2.40E-07
MAP9	1.57	5.29E-08	2.40E-07
SCCPDH	-1.26	5.31E-08	2.41E-07
PRKCQ-AS1	2.88	5.32E-08	2.41E-07
GRTP1-AS1	-5.07	5.32E-08	2.41E-07
SIRT2	0.69	5.32E-08	2.41E-07
CEP72	-1.16	5.33E-08	2.42E-07
XLOC_005563	4.60	5.35E-08	2.42E-07
RP11-508N12.2	-5.98	5.36E-08	2.43E-07
KLHL30	3.06	5.37E-08	2.43E-07
SEMA6A-AS1	-2.19	5.40E-08	2.45E-07
NEK6	1.62	5.42E-08	2.45E-07
KDM4A-AS1	-2.14	5.44E-08	2.46E-07
CTD-2227E11.1	-2.79	5.44E-08	2.47E-07

DUSP8	1.84	5.45E-08	2.47E-07
NFE2L3	-1.02	5.45E-08	2.47E-07
CDA	2.10	5.46E-08	2.47E-07
HOXA4	1.86	5.48E-08	2.48E-07
RP11-45M22.2	-1.87	5.49E-08	2.48E-07
LOXHD1	2.96	5.53E-08	2.50E-07
PRDX3P1	-2.46	5.54E-08	2.51E-07
SMG1P4	-7.01	5.54E-08	2.51E-07
RP11-1110F20.1	-4.27	5.59E-08	2.53E-07
UCHL5	-0.76	5.61E-08	2.54E-07
RP11-563J2.2	-3.37	5.62E-08	2.54E-07
C11orf45	-1.41	5.62E-08	2.54E-07
URB2	-1.02	5.65E-08	2.55E-07
MIR600HG	-1.27	5.65E-08	2.56E-07
RP11-855A2.2	-3.75	5.67E-08	2.56E-07
CCT8P1	-1.94	5.68E-08	2.56E-07
CYP4F22	1.05	5.68E-08	2.56E-07
MEF2C	1.52	5.69E-08	2.57E-07
KCND3	-0.89	5.71E-08	2.58E-07
RP11-365D23.4	-6.11	5.73E-08	2.59E-07
PINLYP	1.41	5.73E-08	2.59E-07
ENPP7P12	-6.15	5.74E-08	2.59E-07
BTF3P12	-6.27	5.74E-08	2.59E-07
METAP1	0.53	5.75E-08	2.60E-07
RP3-402G11.26	2.08	5.76E-08	2.60E-07
PPP2R5B	0.80	5.78E-08	2.61E-07
G35839	-2.81	5.79E-08	2.61E-07
VAC14-AS1	-2.08	5.83E-08	2.63E-07
COL19A1	-3.65	5.86E-08	2.64E-07
ZNF558	-0.54	5.87E-08	2.65E-07
G40216	-3.35	5.92E-08	2.67E-07
G9217	-3.81	5.92E-08	2.67E-07
SEMA3E	-2.28	5.96E-08	2.69E-07
TCTE3	-1.52	6.00E-08	2.70E-07
RP11-727F15.12	-2.51	6.00E-08	2.71E-07
WIPI1	0.92	6.02E-08	2.71E-07
RP11-608O8.2	-4.23	6.04E-08	2.72E-07
PARD6G	-0.89	6.07E-08	2.73E-07
RP11-420K10.1	-6.10	6.07E-08	2.73E-07
UST-AS1	-6.10	6.08E-08	2.74E-07
SLC12A9	1.01	6.08E-08	2.74E-07
MIOS	-0.72	6.10E-08	2.75E-07
CALU	1.29	6.11E-08	2.75E-07
RP11-35J10.7	-3.72	6.12E-08	2.76E-07
ALG1	0.91	6.14E-08	2.76E-07

RP11-691N7.6	-2.77	6.14E-08	2.76E-07
POLR3K	0.92	6.15E-08	2.76E-07
RBP1	1.24	6.15E-08	2.77E-07
EMG1	-0.84	6.18E-08	2.78E-07
RP11-572P18.1	-1.19	6.23E-08	2.80E-07
SNORD6	-3.24	6.25E-08	2.81E-07
AC013472.3	-3.10	6.26E-08	2.81E-07
GLS2	-2.45	6.28E-08	2.82E-07
PLA2G16	2.63	6.29E-08	2.83E-07
TMEM200B	1.49	6.30E-08	2.83E-07
G2584	4.04	6.31E-08	2.84E-07
XXbac-B562F10.11	-3.45	6.31E-08	2.84E-07
RP11-53B2.3	-4.16	6.32E-08	2.84E-07
PRKCZ	0.92	6.32E-08	2.84E-07
ING4	0.66	6.33E-08	2.84E-07
RP11-16E18.3	-1.83	6.38E-08	2.86E-07
CTD-2600H12.2	-1.85	6.41E-08	2.88E-07
RP11-508N12.3	-6.04	6.45E-08	2.89E-07
LINC-PINT	-1.83	6.45E-08	2.89E-07
RP11-185E12.2	-6.04	6.45E-08	2.90E-07
SPINT1	0.85	6.48E-08	2.91E-07
RP11-91J19.2	-2.96	6.49E-08	2.91E-07
GMEB2	0.58	6.53E-08	2.93E-07
G40865	-3.13	6.53E-08	2.93E-07
CYP46A1	2.55	6.55E-08	2.94E-07
RP11-298J20.4	1.79	6.59E-08	2.96E-07
RP11-576I22.2	3.38	6.60E-08	2.96E-07
PRF1	1.94	6.61E-08	2.96E-07
PI15	3.17	6.63E-08	2.97E-07
RP11-16E23.3	-5.99	6.64E-08	2.97E-07
NPTN-IT1	-1.73	6.65E-08	2.98E-07
LA16c-431H6.7	-2.89	6.66E-08	2.98E-07
AIF1	2.14	6.66E-08	2.98E-07
DSE	-0.66	6.70E-08	3.00E-07
GPT	-1.61	6.72E-08	3.01E-07
SCMH1	0.85	6.72E-08	3.01E-07
GTF2IRD2	1.04	6.73E-08	3.01E-07
ABCA10	-1.90	6.77E-08	3.03E-07
IDH3A	0.63	6.78E-08	3.03E-07
RP11-18H7.1	-1.30	6.82E-08	3.05E-07
LCE3A	5.70	6.83E-08	3.06E-07
RP1-30M3.5	-1.90	6.84E-08	3.06E-07
RPL23AP53	-1.02	6.85E-08	3.06E-07
ELP4	-0.72	6.86E-08	3.07E-07
HK3	3.23	6.86E-08	3.07E-07

Gene	Value	P1	P2
HNRNPA1L2	1.20	6.90E-08	3.08E-07
RP11-6L6.4	-5.88	6.92E-08	3.09E-07
RP11-234A1.1	-1.16	6.92E-08	3.09E-07
TMEM209	-0.81	6.94E-08	3.10E-07
TP53TG5	-1.67	6.98E-08	3.12E-07
SHTN1	-0.71	6.99E-08	3.12E-07
ABCE1	-0.83	7.00E-08	3.12E-07
RP11-225N10.3	-5.98	7.01E-08	3.13E-07
LINC01296	5.18	7.03E-08	3.14E-07
VASH1	1.85	7.04E-08	3.14E-07
NAV2-AS5	-6.26	7.04E-08	3.14E-07
TAL1	1.90	7.07E-08	3.16E-07
PLCZ1	-2.38	7.08E-08	3.16E-07
RP11-212D19.5	-5.81	7.10E-08	3.17E-07
VIL1	-5.74	7.15E-08	3.19E-07
SNRPGP10	1.71	7.15E-08	3.19E-07
FOXCUT	3.13	7.20E-08	3.21E-07
SKINTL	-5.89	7.20E-08	3.21E-07
RPL7P57	-6.25	7.20E-08	3.21E-07
TRIM59	-0.96	7.23E-08	3.22E-07
RP11-573M3.2	-6.11	7.25E-08	3.23E-07
DUTP7	-5.82	7.26E-08	3.24E-07
CDKL1	-1.52	7.28E-08	3.25E-07
MLX	0.54	7.29E-08	3.25E-07
GOT2	0.67	7.32E-08	3.26E-07
UGT2A1	-7.15	7.36E-08	3.28E-07
AC007787.2	-4.44	7.37E-08	3.28E-07
TAGLN2P1	-3.16	7.39E-08	3.29E-07
RP11-345I18.4	-5.96	7.39E-08	3.29E-07
SMAP2	0.94	7.42E-08	3.31E-07
ATXN7L3B	-0.52	7.47E-08	3.33E-07
FCGR1B	4.66	7.48E-08	3.33E-07
CMIP	1.11	7.48E-08	3.33E-07
WSCD1	1.89	7.49E-08	3.33E-07
RP11-311B14.1	-6.19	7.51E-08	3.34E-07
ACTN4	0.76	7.53E-08	3.35E-07
RP11-512N4.2	-6.10	7.57E-08	3.37E-07
JRK	-0.88	7.57E-08	3.37E-07
RP11-498D10.5	-2.63	7.59E-08	3.38E-07
CTD-2540L5.9	-5.90	7.60E-08	3.38E-07
ADAMTSL4-AS1	-1.85	7.60E-08	3.38E-07
LINC00493	-1.08	7.61E-08	3.38E-07
TCEAL3	1.05	7.62E-08	3.39E-07
KIF26A	1.45	7.62E-08	3.39E-07
TET2-AS1	-2.89	7.63E-08	3.39E-07

PPP1R3G	1.69	7.64E-08	3.40E-07
RP11-748C4.1	-6.11	7.66E-08	3.40E-07
B3GAT2	-1.90	7.69E-08	3.41E-07
RP11-351I21.6	-6.72	7.69E-08	3.42E-07
SMG1P6	-2.77	7.72E-08	3.43E-07
HSPA8P15	-4.15	7.73E-08	3.43E-07
UBTD1	0.97	7.75E-08	3.44E-07
MT-ND4L	2.53	7.76E-08	3.44E-07
ATP5I	-1.02	7.76E-08	3.45E-07
TCAF2	1.18	7.77E-08	3.45E-07
RP11-180C16.1	-4.53	7.80E-08	3.46E-07
CHP2	-2.25	7.81E-08	3.46E-07
TCEA1P4	-3.51	7.84E-08	3.48E-07
ZNF117	-1.95	7.90E-08	3.50E-07
SMPD1	0.68	7.93E-08	3.52E-07
AC008746.12	-2.78	7.93E-08	3.52E-07
TREM2	3.88	7.94E-08	3.52E-07
CTD-2201E18.3	1.28	7.94E-08	3.52E-07
AP004289.1	-6.11	7.96E-08	3.53E-07
AP001046.6	-2.90	7.97E-08	3.53E-07
JOSD1	0.56	8.00E-08	3.55E-07
MYL3	3.11	8.01E-08	3.55E-07
SNORD91B	-5.40	8.04E-08	3.56E-07
RP11-124D2.7	-3.55	8.06E-08	3.57E-07
CTD-2619J13.16	-1.80	8.08E-08	3.58E-07
HPS6	0.69	8.08E-08	3.58E-07
MRPL27	0.68	8.09E-08	3.58E-07
ORC3	-0.63	8.09E-08	3.58E-07
AP003025.2	-4.64	8.09E-08	3.58E-07
DZIP1	1.85	8.12E-08	3.59E-07
TMEM175	0.92	8.13E-08	3.60E-07
NCOR2	1.15	8.13E-08	3.60E-07
PMS2	-0.63	8.13E-08	3.60E-07
PIK3R3	1.96	8.14E-08	3.60E-07
STAU1	0.46	8.15E-08	3.61E-07
ERCC2	0.98	8.19E-08	3.62E-07
ZNF154	-1.78	8.20E-08	3.62E-07
C6orf1	0.81	8.21E-08	3.63E-07
GRAP	3.93	8.22E-08	3.63E-07
RP11-369K16.1	-2.38	8.22E-08	3.63E-07
SGMS1	-0.84	8.23E-08	3.64E-07
SCARNA15	-5.65	8.24E-08	3.64E-07
snoU2-30	-5.84	8.27E-08	3.65E-07
CTC-250P20.1	-5.89	8.27E-08	3.65E-07
RP11-397P13.6	-4.51	8.29E-08	3.66E-07

MCOLN2	-1.78	8.29E-08	3.66E-07
STAM2	-0.66	8.33E-08	3.68E-07
RP11-215P8.2	-2.84	8.34E-08	3.68E-07
LINC01272	2.59	8.34E-08	3.68E-07
RP11-345P4.9	0.94	8.35E-08	3.69E-07
KIAA1211L	1.16	8.36E-08	3.69E-07
HHEX	1.75	8.37E-08	3.69E-07
PHTF1	1.36	8.42E-08	3.71E-07
RFX8	3.23	8.46E-08	3.73E-07
RP11-23J9.5	-2.40	8.48E-08	3.74E-07
FAM167A-AS1	-4.72	8.55E-08	3.77E-07
GOPC	-0.59	8.59E-08	3.79E-07
C17orf104	-1.85	8.59E-08	3.79E-07
RP11-642A1.1	-6.00	8.63E-08	3.80E-07
RP11-127I20.8	-2.92	8.67E-08	3.82E-07
RP5-1126H10.2	-1.79	8.67E-08	3.82E-07
NDUFAF1	0.97	8.69E-08	3.83E-07
CTD-2012K14.5	-3.00	8.69E-08	3.83E-07
AC079753.5	-3.53	8.69E-08	3.83E-07
RP11-123C21.2	-6.06	8.72E-08	3.84E-07
RN7SL502P	-5.81	8.73E-08	3.84E-07
RP11-513M16.8	-1.42	8.73E-08	3.84E-07
PRRX1	2.15	8.78E-08	3.86E-07
AC006019.4	-6.51	8.78E-08	3.86E-07
WNK3	-1.45	8.79E-08	3.87E-07
ETV7	-1.14	8.79E-08	3.87E-07
THSD4	0.95	8.85E-08	3.89E-07
ADH7	2.81	8.88E-08	3.91E-07
ZNF676	-3.65	8.90E-08	3.91E-07
RP4-734G22.3	-1.94	8.95E-08	3.94E-07
FCHO2	-0.76	8.98E-08	3.95E-07
MIPEP	-0.81	8.99E-08	3.95E-07
AL627171.2	-3.11	9.11E-08	4.00E-07
TCEB1P31	-6.08	9.12E-08	4.01E-07
TSC2	0.65	9.15E-08	4.02E-07
RP11-90O23.1	-6.06	9.16E-08	4.02E-07
RP11-117N2.2	-5.89	9.17E-08	4.03E-07
AC005540.3	-3.66	9.17E-08	4.03E-07
AC000123.4	-1.76	9.19E-08	4.04E-07
DIRC2	-0.83	9.24E-08	4.06E-07
ZNF367	-1.10	9.26E-08	4.07E-07
SMARCE1	-0.58	9.28E-08	4.07E-07
RP5-1021I20.6	-5.94	9.29E-08	4.08E-07
C11orf65	-1.68	9.32E-08	4.09E-07
HOXC12	3.09	9.34E-08	4.10E-07

VSIG10	-0.96	9.36E-08	4.11E-07
FAM43B	2.86	9.39E-08	4.12E-07
POLR3B	-0.89	9.39E-08	4.12E-07
RP11-101O6.2	-5.76	9.40E-08	4.12E-07
RP11-46A10.6	-5.76	9.43E-08	4.13E-07
CAMK2B	-2.18	9.46E-08	4.15E-07
NOP2	0.79	9.47E-08	4.15E-07
ITGAX	2.48	9.47E-08	4.15E-07
PDIA6	0.80	9.48E-08	4.15E-07
PHACTR2P1	-3.62	9.48E-08	4.15E-07
RP11-441O15.3	-2.09	9.50E-08	4.16E-07
GTPBP8	-0.61	9.50E-08	4.16E-07
MANBA	0.65	9.51E-08	4.17E-07
PDE9A	2.49	9.57E-08	4.19E-07
TNPO2	0.62	9.60E-08	4.20E-07
SULT1A1	2.75	9.61E-08	4.21E-07
RP11-152N13.16	-2.99	9.63E-08	4.22E-07
CYSLTR1	-1.65	9.66E-08	4.23E-07
LMNA	0.82	9.66E-08	4.23E-07
TAB3	-0.68	9.66E-08	4.23E-07
SERPINA9	-2.73	9.71E-08	4.25E-07
AC083949.1	-5.91	9.73E-08	4.25E-07
KIAA1462	2.23	9.73E-08	4.26E-07
RP11-3J10.7	-6.02	9.74E-08	4.26E-07
RP11-475E11.2	-5.95	9.77E-08	4.27E-07
RP11-474P2.7	-4.80	9.78E-08	4.28E-07
LONRF2	-2.24	9.78E-08	4.28E-07
CTA-243E7.1	-2.26	9.82E-08	4.29E-07
AAED1	0.98	9.86E-08	4.31E-07
AC092338.5	-2.09	9.88E-08	4.32E-07
GS1-165B14.2	-6.30	9.97E-08	4.36E-07
SNORD71	-5.65	1.00E-07	4.37E-07
RP11-303G3.6	-2.65	1.01E-07	4.39E-07
MILR1	3.34	1.01E-07	4.39E-07
ARHGAP42	-0.92	1.01E-07	4.40E-07
AL773572.7	-6.06	1.01E-07	4.41E-07
TMEM205	0.95	1.01E-07	4.41E-07
SEMA5B	2.90	1.01E-07	4.41E-07
G31307	3.15	1.01E-07	4.42E-07
BCL2L15	2.74	1.01E-07	4.42E-07
DYNLL1	1.07	1.02E-07	4.43E-07
RP11-670E13.6	1.80	1.02E-07	4.43E-07
DYNC1LI2	-0.44	1.02E-07	4.44E-07
AC000120.7	-3.94	1.02E-07	4.44E-07
C10orf113	-4.45	1.02E-07	4.45E-07

XLOC_005458	-2.43	1.02E-07	4.45E-07
RP4-677H15.4	-5.96	1.02E-07	4.46E-07
AF178030.2	-4.03	1.03E-07	4.48E-07
BNIP3P42	-5.87	1.03E-07	4.48E-07
SLC25A27	-1.73	1.03E-07	4.49E-07
AP001962.3	-5.79	1.03E-07	4.50E-07
CNOT10	-0.48	1.03E-07	4.50E-07
SNORA67	-3.52	1.04E-07	4.52E-07
PPIG	0.81	1.04E-07	4.54E-07
C19orf67	-5.90	1.04E-07	4.55E-07
NEDD1	-0.70	1.05E-07	4.55E-07
IGSF8	0.88	1.05E-07	4.57E-07
MED21	-0.60	1.05E-07	4.57E-07
HMGN1P8	-3.43	1.05E-07	4.58E-07
LYAR	1.06	1.06E-07	4.61E-07
FAM13A	-0.90	1.06E-07	4.62E-07
TOR2A	1.08	1.06E-07	4.62E-07
VIMP	0.69	1.06E-07	4.63E-07
RP11-797J4.1	-6.05	1.06E-07	4.63E-07
NPM1P30	-5.95	1.07E-07	4.63E-07
AC007787.3	-4.39	1.07E-07	4.64E-07
PGM5P2	-2.28	1.07E-07	4.65E-07
NKX1-2	-3.08	1.07E-07	4.66E-07
RP11-532F6.2	-6.00	1.07E-07	4.66E-07
ENDOU	-1.17	1.07E-07	4.66E-07
VIPR1-AS1	-2.14	1.08E-07	4.68E-07
LINC01521	1.98	1.08E-07	4.69E-07
MS4A7	2.68	1.08E-07	4.69E-07
FLJ37035	-2.16	1.08E-07	4.69E-07
PYDC1	2.22	1.08E-07	4.70E-07
RSPO1	1.73	1.09E-07	4.72E-07
WDR75	-0.49	1.09E-07	4.72E-07
RP11-359B20.1	-5.95	1.09E-07	4.74E-07
EPB41L4A	-0.96	1.09E-07	4.74E-07
GIT1	0.83	1.09E-07	4.74E-07
RP11-747H7.3	-1.75	1.09E-07	4.75E-07
AC110781.3	-5.87	1.10E-07	4.77E-07
SMPDL3A	-0.92	1.10E-07	4.77E-07
MTX1P1	1.59	1.10E-07	4.78E-07
G39039	-2.65	1.10E-07	4.79E-07
NOL11	-0.57	1.11E-07	4.81E-07
ADAMTSL4	1.61	1.11E-07	4.81E-07
RP11-74C1.2	-3.32	1.11E-07	4.81E-07
BBX	-0.58	1.11E-07	4.81E-07
ZMYM3	0.65	1.11E-07	4.82E-07

HBG2	-6.40	1.12E-07	4.84E-07
LINC01278	1.41	1.12E-07	4.85E-07
AC017048.2	-6.29	1.12E-07	4.86E-07
RP11-390D11.1	-3.67	1.12E-07	4.86E-07
SCFD1	-0.64	1.12E-07	4.87E-07
AK3P5	-5.95	1.13E-07	4.90E-07
AC098614.2	2.06	1.13E-07	4.91E-07
ARMCX2	1.51	1.14E-07	4.92E-07
AC007256.5	-3.76	1.14E-07	4.94E-07
ALPK2	2.77	1.14E-07	4.95E-07
RNU6-308P	-6.08	1.14E-07	4.95E-07
PRKCA-AS1	-6.28	1.14E-07	4.95E-07
RNU6-9	-5.52	1.15E-07	4.97E-07
HARS	0.54	1.15E-07	4.97E-07
DDX17	-1.02	1.15E-07	4.98E-07
SLC26A3	-6.20	1.16E-07	5.01E-07
MAP2K3	1.14	1.16E-07	5.03E-07
POLL	0.97	1.17E-07	5.04E-07
ASCC1	0.56	1.17E-07	5.05E-07
RP11-141M1.3	-2.65	1.17E-07	5.05E-07
RP11-45A17.4	-3.20	1.17E-07	5.06E-07
NODAL	-3.07	1.17E-07	5.06E-07
TAS2R14	-2.18	1.17E-07	5.07E-07
POLR2D	-0.63	1.17E-07	5.07E-07
AC007000.10	-2.78	1.18E-07	5.08E-07
IKZF4	1.29	1.18E-07	5.09E-07
CTC-287O8.1	-5.96	1.18E-07	5.10E-07
WDR11	-0.44	1.19E-07	5.13E-07
FAM78B	1.63	1.19E-07	5.14E-07
GUSBP9	-2.57	1.19E-07	5.15E-07
CD1A	-1.81	1.19E-07	5.16E-07
ZNF839	-0.62	1.19E-07	5.16E-07
SPATA21	-2.81	1.20E-07	5.16E-07
BATF2	2.72	1.20E-07	5.16E-07
USO1	-0.72	1.21E-07	5.23E-07
LAPTM5	1.87	1.22E-07	5.25E-07
LIN7A	1.92	1.22E-07	5.25E-07
BNIP3P10	-5.67	1.22E-07	5.26E-07
RP4-683L5.1	-6.14	1.22E-07	5.27E-07
RP11-384C4.6	-6.06	1.23E-07	5.28E-07
LINC01268	-2.88	1.23E-07	5.31E-07
RP1-168P16.3	-6.11	1.23E-07	5.31E-07
AARD	3.24	1.23E-07	5.31E-07
F7	2.87	1.23E-07	5.31E-07
ASF1A	-0.96	1.24E-07	5.32E-07

ARHGAP11A	-0.94	1.24E-07	5.33E-07
LL21NC02-21A1.1	4.49	1.24E-07	5.35E-07
TRIM27	0.70	1.25E-07	5.36E-07
STXBP5-AS1	1.48	1.25E-07	5.36E-07
HACD4	-1.29	1.25E-07	5.39E-07
CTD-3064M3.3	2.55	1.25E-07	5.39E-07
PTPN2P1	-6.01	1.26E-07	5.40E-07
GRPEL2	-0.66	1.26E-07	5.41E-07
MARVELD2	-0.91	1.26E-07	5.43E-07
CCDC88C	1.04	1.26E-07	5.43E-07
GRID2IP	-1.61	1.27E-07	5.45E-07
NHLH1	-2.74	1.27E-07	5.45E-07
CREB5	-1.28	1.27E-07	5.45E-07
FAM225B	4.11	1.27E-07	5.47E-07
ZBTB43	-0.79	1.27E-07	5.47E-07
RP11-355O1.7	-6.05	1.27E-07	5.48E-07
TMEM105	3.07	1.28E-07	5.50E-07
PEG3	-1.77	1.28E-07	5.50E-07
AC092597.3	-3.62	1.29E-07	5.54E-07
HLA-DRA	1.99	1.29E-07	5.56E-07
FAM160B2	1.11	1.30E-07	5.56E-07
MARK2	0.73	1.30E-07	5.57E-07
RP11-210K20.2	-5.76	1.30E-07	5.59E-07
TRAPPC6B	-0.58	1.30E-07	5.60E-07
RP11-504G3.2	-5.65	1.31E-07	5.64E-07
TRAPPC6A	0.94	1.32E-07	5.65E-07
SLC1A1	1.47	1.32E-07	5.65E-07
SLAIN1	-1.33	1.32E-07	5.66E-07
ALOX12	-1.06	1.33E-07	5.70E-07
RP11-330C7.3	-5.58	1.33E-07	5.70E-07
LOH12CR2	2.24	1.33E-07	5.71E-07
RP11-1057B6.1	-4.42	1.33E-07	5.72E-07
PNLDC1	-5.86	1.34E-07	5.73E-07
MIAT	-1.54	1.34E-07	5.74E-07
G1047	2.40	1.34E-07	5.74E-07
SLC25A11	0.70	1.34E-07	5.74E-07
OGDHL	5.27	1.34E-07	5.76E-07
DSTNP1	-2.04	1.35E-07	5.77E-07
G34552	-5.67	1.35E-07	5.78E-07
RP11-286N22.6	-4.76	1.35E-07	5.79E-07
G38913	-3.87	1.35E-07	5.80E-07
WRNIP1	0.43	1.36E-07	5.81E-07
RP11-495K9.5	-3.76	1.36E-07	5.81E-07
CENPBD1	0.89	1.36E-07	5.82E-07
G33445	-0.84	1.36E-07	5.83E-07

RNFT1P2	-5.78	1.37E-07	5.87E-07
NR4A1	2.16	1.37E-07	5.88E-07
SNORD116-19	-5.79	1.38E-07	5.90E-07
ZNF563	-0.71	1.38E-07	5.90E-07
NIP7P3	-5.97	1.38E-07	5.91E-07
RP11-285G1.9	-5.78	1.39E-07	5.93E-07
SEC14L6	-4.35	1.39E-07	5.95E-07
BACE2	1.20	1.39E-07	5.96E-07
CTC-339F2.2	-2.07	1.39E-07	5.96E-07
RP11-45L9.1	-4.50	1.40E-07	5.97E-07
FNIP2	-0.75	1.40E-07	5.97E-07
RP11-546J1.1	-2.84	1.40E-07	5.97E-07
RP11-474D14.2	-3.35	1.40E-07	5.99E-07
RP11-613D13.5	-2.29	1.40E-07	5.99E-07
AC079610.1	-5.85	1.41E-07	6.04E-07
AC009237.8	-1.13	1.41E-07	6.04E-07
ANPEP	2.08	1.42E-07	6.05E-07
FAM69B	1.58	1.42E-07	6.07E-07
SLC35D1	-0.64	1.42E-07	6.08E-07
SLC25A14P1	-5.76	1.43E-07	6.10E-07
HMGN2P3	2.03	1.43E-07	6.10E-07
UGT1A4	-6.14	1.43E-07	6.10E-07
RP11-385F7.1	2.51	1.43E-07	6.10E-07
RP11-458F8.4	2.60	1.43E-07	6.11E-07
CLIC4	1.08	1.43E-07	6.12E-07
RPS15A	-0.85	1.44E-07	6.13E-07
RP11-598F7.5	6.24	1.44E-07	6.14E-07
FAM117B	-0.93	1.45E-07	6.18E-07
C21orf91	-1.14	1.45E-07	6.19E-07
CPEB4	-0.87	1.46E-07	6.21E-07
CHCHD2	0.80	1.46E-07	6.21E-07
PAIP2	0.76	1.47E-07	6.25E-07
LECT1	-5.97	1.47E-07	6.25E-07
POM121C	1.11	1.48E-07	6.29E-07
CASKIN1	1.67	1.48E-07	6.30E-07
SERPINB13	1.79	1.48E-07	6.30E-07
G43621	-11.32	1.48E-07	6.32E-07
LINC01181	4.09	1.48E-07	6.33E-07
AC019097.7	-1.81	1.49E-07	6.33E-07
RB1CC1	-0.67	1.49E-07	6.34E-07
RP4-724E13.2	-3.04	1.49E-07	6.34E-07
RP11-539G18.1	-6.14	1.49E-07	6.35E-07
DRGX	-5.19	1.49E-07	6.36E-07
RP11-358B23.7	-5.85	1.50E-07	6.36E-07
SEZ6L	-3.33	1.50E-07	6.39E-07

TBC1D14	-0.62	1.50E-07	6.39E-07
ADGRG3	4.03	1.50E-07	6.40E-07
THAP2	-1.00	1.51E-07	6.41E-07
KCNH8	-2.69	1.51E-07	6.42E-07
FABP6	3.59	1.51E-07	6.44E-07
PLP2	0.74	1.51E-07	6.44E-07
ARHGAP27	0.92	1.52E-07	6.44E-07
PLK1	1.23	1.52E-07	6.46E-07
RP11-110I1.11	-2.41	1.53E-07	6.52E-07
THUMPD3-AS1	-1.13	1.54E-07	6.54E-07
RN7SL239P	-5.86	1.54E-07	6.54E-07
RP11-544A12.8	-4.46	1.54E-07	6.54E-07
RPL15P3	1.14	1.54E-07	6.56E-07
PLK3	0.95	1.54E-07	6.56E-07
SNORA19	-5.72	1.55E-07	6.58E-07
RP1-124C6.1	-3.05	1.55E-07	6.58E-07
FLJ46284	-2.35	1.55E-07	6.59E-07
SH3RF2	-0.96	1.55E-07	6.59E-07
FST	2.18	1.56E-07	6.61E-07
RNU6-1291P	-6.38	1.56E-07	6.63E-07
DNAH6	-2.62	1.57E-07	6.65E-07
RP11-21K12.2	-1.91	1.57E-07	6.67E-07
ARL11	1.31	1.57E-07	6.67E-07
TCEANC	-0.79	1.58E-07	6.68E-07
RP4-591N18.2	-2.84	1.58E-07	6.69E-07
RBBP4P2	-4.65	1.58E-07	6.72E-07
FAM222B	0.94	1.59E-07	6.72E-07
OLMALINC	1.57	1.59E-07	6.73E-07
AC011752.1	-3.89	1.59E-07	6.73E-07
RP11-368L12.1	-2.14	1.59E-07	6.73E-07
SNHG11	0.98	1.59E-07	6.74E-07
ZBTB46	1.02	1.59E-07	6.75E-07
PLXNB3	1.49	1.60E-07	6.76E-07
NUDT16	0.77	1.60E-07	6.79E-07
YTHDF3	-0.58	1.61E-07	6.81E-07
TMEM94	0.80	1.61E-07	6.83E-07
LDHAL6B	-2.64	1.61E-07	6.83E-07
PCDHA10	-2.38	1.61E-07	6.84E-07
ZNF830	0.59	1.62E-07	6.85E-07
MTMR6	-0.85	1.62E-07	6.85E-07
LAS1L	0.60	1.62E-07	6.86E-07
RP11-420A23.1	-1.70	1.63E-07	6.88E-07
C7orf31	1.12	1.63E-07	6.90E-07
PCDHB14	0.78	1.63E-07	6.91E-07
RP11-218D6.4	-5.70	1.64E-07	6.93E-07

UBE2CP1	-5.89	1.64E-07	6.94E-07
C17orf58	0.97	1.64E-07	6.95E-07
MIR3671	-3.72	1.65E-07	6.98E-07
CARD6	1.74	1.65E-07	6.98E-07
RAI1-AS1	-5.76	1.65E-07	6.99E-07
RNF7	0.57	1.66E-07	7.00E-07
DHX36	-0.54	1.66E-07	7.00E-07
CTD-2292M16.8	-1.62	1.66E-07	7.00E-07
CTD-2265D6.2	-6.12	1.67E-07	7.07E-07
ASRGL1	3.32	1.67E-07	7.07E-07
DDX23	0.51	1.67E-07	7.07E-07
SAPCD2	1.19	1.68E-07	7.08E-07
RP11-453N18.1	-6.04	1.68E-07	7.08E-07
FTO-IT1	-2.64	1.68E-07	7.09E-07
MSLN	3.81	1.69E-07	7.12E-07
KRT8	3.84	1.69E-07	7.12E-07
AC127904.2	-2.03	1.69E-07	7.13E-07
RP11-143I21.1	-5.64	1.69E-07	7.13E-07
RP11-467H10.2	-5.69	1.69E-07	7.15E-07
Z95704.1	-5.78	1.70E-07	7.17E-07
SNRNP70	1.46	1.70E-07	7.19E-07
RP11-709D24.6	-5.74	1.71E-07	7.20E-07
LUM	2.76	1.71E-07	7.20E-07
C5orf34	-1.21	1.71E-07	7.20E-07
RBM23	0.38	1.71E-07	7.20E-07
G35863	-5.43	1.72E-07	7.23E-07
RRP7A	0.88	1.72E-07	7.24E-07
RP11-402L5.1	-5.84	1.72E-07	7.24E-07
DOC2B	1.88	1.73E-07	7.28E-07
RP11-336A10.2	-3.02	1.73E-07	7.30E-07
CTC-448F2.6	-1.88	1.74E-07	7.32E-07
SMIM20	1.04	1.74E-07	7.32E-07
Z97634.3	2.72	1.74E-07	7.33E-07
FLVCR1-AS1	2.50	1.74E-07	7.34E-07
MED28P3	-2.60	1.76E-07	7.40E-07
DKK2	-2.25	1.77E-07	7.46E-07
GRWD1	0.70	1.78E-07	7.49E-07
LRRC25	3.00	1.78E-07	7.49E-07
RP13-36G14.4	-1.34	1.79E-07	7.53E-07
CD207	-1.89	1.79E-07	7.55E-07
SLC30A6	-0.58	1.80E-07	7.56E-07
PFDN5	0.70	1.80E-07	7.56E-07
POMGNT1	0.73	1.80E-07	7.57E-07
CCNJP2	-6.14	1.80E-07	7.58E-07
KIAA2026	-0.51	1.80E-07	7.58E-07

RAVER1	1.24	1.82E-07	7.64E-07
WASH2P	0.96	1.82E-07	7.65E-07
ADRM1	0.65	1.82E-07	7.66E-07
RP11-575A19.2	-3.15	1.84E-07	7.73E-07
CSNK1A1P1	-5.73	1.84E-07	7.73E-07
CH17-431G21.1	2.79	1.84E-07	7.73E-07
TAS2R5	-2.11	1.85E-07	7.78E-07
PLCB2	2.18	1.85E-07	7.79E-07
RP11-190D6.1	-5.91	1.86E-07	7.81E-07
RP11-142E9.1	-1.47	1.87E-07	7.86E-07
RNU4ATAC16P	-5.83	1.87E-07	7.87E-07
WDR43	-0.77	1.88E-07	7.87E-07
DFFA	0.53	1.88E-07	7.89E-07
ZNF585B	-0.79	1.88E-07	7.89E-07
RP11-154B12.3	-5.65	1.89E-07	7.91E-07
MRPS6	0.96	1.89E-07	7.94E-07
KIF13A	-0.50	1.89E-07	7.95E-07
GTF3C6	0.87	1.90E-07	7.97E-07
ZER1	0.64	1.90E-07	7.97E-07
ERBB3	-0.73	1.90E-07	7.98E-07
FFAR4	-1.51	1.90E-07	7.99E-07
DHRS4L2	1.06	1.91E-07	7.99E-07
MRPL11	0.75	1.91E-07	7.99E-07
RP11-96D1.10	-5.45	1.91E-07	8.00E-07
MSC-AS1	2.09	1.91E-07	8.01E-07
RP11-242O24.3	-5.80	1.91E-07	8.01E-07
RP11-35O15.2	-5.75	1.91E-07	8.01E-07
ZNF664	0.75	1.92E-07	8.02E-07
RP11-159D12.8	-0.87	1.92E-07	8.03E-07
SIAE	0.74	1.92E-07	8.04E-07
AP000350.6	-7.00	1.92E-07	8.05E-07
ZNRF2P1	1.93	1.93E-07	8.07E-07
ATP5G2	0.75	1.95E-07	8.17E-07
NELL2	3.20	1.95E-07	8.18E-07
RP11-295H24.4	-1.57	1.96E-07	8.19E-07
ATP1A1-AS1	-1.31	1.96E-07	8.19E-07
HNRNPA3P9	-4.59	1.96E-07	8.19E-07
PDIA3	0.78	1.96E-07	8.19E-07
ATG10-AS1	-5.84	1.96E-07	8.19E-07
RP11-584P21.4	-5.73	1.96E-07	8.21E-07
RASSF4	1.86	1.96E-07	8.21E-07
LINC00667	-0.88	1.97E-07	8.22E-07
C1QTNF3	-1.85	1.97E-07	8.23E-07
HS3ST1	1.82	1.97E-07	8.26E-07
AF064858.6	2.57	1.98E-07	8.26E-07

TRIM46	2.68	1.98E-07	8.27E-07
IL17RB	-1.11	1.99E-07	8.30E-07
RP11-864I4.1	1.81	1.99E-07	8.31E-07
RP11-815J21.1	-3.49	2.00E-07	8.37E-07
IFNAR2	1.47	2.01E-07	8.38E-07
MT-TS2	-6.73	2.01E-07	8.39E-07
RP11-474I11.8	-5.82	2.02E-07	8.43E-07
USP32	-0.76	2.04E-07	8.51E-07
U47924.29	-5.66	2.04E-07	8.51E-07
RP11-317F20.2	-5.89	2.04E-07	8.53E-07
FTSJ1	0.59	2.05E-07	8.55E-07
RP4-798P15.3	-3.18	2.05E-07	8.56E-07
RP11-170L3.4	-5.73	2.06E-07	8.59E-07
BPNT1	0.57	2.07E-07	8.64E-07
RP11-646I6.5	-2.27	2.07E-07	8.66E-07
RP3-425C14.6	-5.37	2.09E-07	8.72E-07
CTC-518B2.8	2.26	2.09E-07	8.73E-07
ADAM20	-3.89	2.11E-07	8.79E-07
ZNF713	-1.10	2.12E-07	8.83E-07
G34302	-5.93	2.12E-07	8.85E-07
U47924.27	1.27	2.13E-07	8.87E-07
RP11-416N2.4	-2.45	2.13E-07	8.87E-07
TTC30B	-0.78	2.14E-07	8.90E-07
ZCCHC7	-0.47	2.14E-07	8.90E-07
ABHD13	-0.74	2.14E-07	8.91E-07
KIAA0040	0.92	2.15E-07	8.94E-07
CTD-3157E16.2	1.90	2.15E-07	8.94E-07
MSMB	-3.21	2.15E-07	8.95E-07
BZRAP1-AS1	-2.06	2.16E-07	8.98E-07
FAR2	-3.43	2.16E-07	8.98E-07
RNU2-25P	-5.75	2.16E-07	8.98E-07
C9orf91	1.04	2.16E-07	9.00E-07
UROS	0.70	2.17E-07	9.01E-07
PRDX1	1.00	2.17E-07	9.02E-07
RP11-351O1.4	-5.83	2.17E-07	9.02E-07
G12186	-5.87	2.18E-07	9.07E-07
DLEC1	-2.18	2.18E-07	9.08E-07
MON1A	1.01	2.18E-07	9.09E-07
KB-1254G8.1	-4.73	2.19E-07	9.09E-07
EPHX4	3.73	2.19E-07	9.10E-07
LAMB2	1.09	2.19E-07	9.11E-07
RP4-564F22.5	-5.70	2.19E-07	9.11E-07
MMP2	2.81	2.20E-07	9.14E-07
LIPT2	-1.48	2.20E-07	9.14E-07
RP11-611O2.1	-5.79	2.21E-07	9.18E-07

PHF12	0.84	2.21E-07	9.20E-07
RP11-145M9.5	-4.74	2.22E-07	9.21E-07
DSP	-1.02	2.22E-07	9.22E-07
RP11-841C19.1	-5.94	2.22E-07	9.22E-07
TTC17	-0.50	2.22E-07	9.22E-07
PAPD5	-0.61	2.22E-07	9.23E-07
OSER1	0.66	2.22E-07	9.23E-07
ATAD1	-0.63	2.24E-07	9.28E-07
G23966	3.68	2.24E-07	9.29E-07
RP11-372M18.2	-3.14	2.24E-07	9.30E-07
TCTA	0.69	2.25E-07	9.32E-07
HEG1	1.40	2.25E-07	9.33E-07
LINC00961	3.52	2.25E-07	9.33E-07
ALS2CR11	-2.06	2.26E-07	9.39E-07
TRMT61A	0.74	2.26E-07	9.39E-07
LRRC75A-AS1	0.69	2.26E-07	9.39E-07
MIR553	-5.54	2.27E-07	9.39E-07
TGIF2	0.84	2.27E-07	9.40E-07
TRPM1	-1.91	2.27E-07	9.41E-07
ACVR2B	-0.80	2.27E-07	9.42E-07
KCMF1	0.50	2.28E-07	9.45E-07
ARHGAP25	1.39	2.28E-07	9.46E-07
HELB	-0.99	2.30E-07	9.54E-07
ZW10	-0.73	2.30E-07	9.54E-07
GRID1	1.87	2.30E-07	9.54E-07
RP11-147G7.3	-5.36	2.30E-07	9.55E-07
SBF2-AS1	-0.89	2.31E-07	9.57E-07
LEMD3	-0.57	2.32E-07	9.59E-07
AC005042.2	-4.87	2.33E-07	9.63E-07
NCCRP1	1.21	2.33E-07	9.66E-07
STIL	-0.71	2.33E-07	9.66E-07
PKD2L2	-3.03	2.33E-07	9.66E-07
RP11-350F16.1	-5.72	2.33E-07	9.66E-07
ZNF22	1.05	2.34E-07	9.66E-07
AC023271.1	-5.58	2.34E-07	9.68E-07
OFD1P17	-5.72	2.34E-07	9.70E-07
RP11-550F7.1	-6.19	2.35E-07	9.70E-07
IPO8	-0.49	2.35E-07	9.72E-07
PLEKHA8	-0.80	2.35E-07	9.72E-07
TMEM63B	0.67	2.35E-07	9.73E-07
MAFK	0.82	2.35E-07	9.73E-07
SH3BP1	0.96	2.36E-07	9.73E-07
RP4-657D16.3	-2.07	2.36E-07	9.74E-07
AGR2	-2.61	2.36E-07	9.77E-07
RP11-712B9.6	-5.83	2.37E-07	9.78E-07

LRRC4	1.85	2.37E-07	9.80E-07
CFDP1	0.53	2.37E-07	9.80E-07
LZTS1	1.30	2.39E-07	9.85E-07
SH2D2A	2.73	2.39E-07	9.88E-07
TIPARP	-1.06	2.40E-07	9.89E-07
RP11-114M5.1	-4.18	2.40E-07	9.91E-07
RCSD1	1.76	2.40E-07	9.92E-07
RP11-22H5.2	-3.99	2.41E-07	9.93E-07
ZNF517	0.92	2.41E-07	9.95E-07
GAREML	1.50	2.41E-07	9.96E-07
TMEM150C	1.50	2.42E-07	9.97E-07
EMC7	0.72	2.42E-07	9.98E-07
SMYD2	0.56	2.42E-07	9.99E-07
ARSJ	1.76	2.42E-07	9.99E-07
MAFG-AS1	1.42	2.43E-07	1.00E-06
AC097382.5	-5.59	2.43E-07	1.00E-06
RP11-115J16.1	-5.99	2.43E-07	1.00E-06
MTF2	-0.52	2.44E-07	1.01E-06
ATPIF1	0.77	2.44E-07	1.01E-06
TAZ	1.17	2.46E-07	1.01E-06
CTB-75G16.1	-3.20	2.46E-07	1.01E-06
RP11-467H10.1	-2.28	2.46E-07	1.01E-06
RP11-848P1.9	-1.12	2.47E-07	1.02E-06
RP11-323I15.5	-4.32	2.48E-07	1.02E-06
RP11-640M9.1	1.97	2.48E-07	1.02E-06
C14orf79	0.99	2.49E-07	1.03E-06
CD3E	1.91	2.49E-07	1.03E-06
ZC2HC1A	-1.15	2.51E-07	1.03E-06
SARDH	3.05	2.52E-07	1.04E-06
XLOC_000633	-2.94	2.52E-07	1.04E-06
CD163	3.07	2.53E-07	1.04E-06
TBCD	0.53	2.53E-07	1.04E-06
PAXBP1	-1.12	2.53E-07	1.04E-06
NMNAT3	-1.13	2.54E-07	1.04E-06
MTND1P21	-5.82	2.55E-07	1.05E-06
NFU1	0.94	2.56E-07	1.05E-06
RP5-968J1.1	-2.67	2.56E-07	1.05E-06
C10orf2	0.83	2.56E-07	1.05E-06
FRG2DP	-3.82	2.56E-07	1.05E-06
ATP5G3	0.80	2.56E-07	1.05E-06
RP11-283I3.6	-0.94	2.57E-07	1.05E-06
RP11-357N13.2	-3.23	2.57E-07	1.06E-06
RAD1	-0.52	2.57E-07	1.06E-06
KRT18P63	-4.13	2.58E-07	1.06E-06
LINC00681	-3.08	2.58E-07	1.06E-06

FCF1P5	-5.72	2.58E-07	1.06E-06
MSR1	3.10	2.58E-07	1.06E-06
SLC38A2	-0.78	2.59E-07	1.06E-06
POLR1B	-0.80	2.59E-07	1.06E-06
C16orf86	2.03	2.59E-07	1.06E-06
GK5	-1.72	2.60E-07	1.07E-06
AC009299.3	-1.36	2.60E-07	1.07E-06
RPS5	0.83	2.62E-07	1.07E-06
RP1-86D1.5	-5.67	2.62E-07	1.08E-06
GJC2	1.56	2.63E-07	1.08E-06
MBP	-0.68	2.63E-07	1.08E-06
AP001468.1	-3.32	2.64E-07	1.08E-06
SOCS2	1.58	2.66E-07	1.09E-06
CTD-2218G20.2	-6.49	2.68E-07	1.10E-06
RP11-426D19.1	-4.38	2.68E-07	1.10E-06
SSR4P1	1.19	2.68E-07	1.10E-06
G7242	-1.49	2.70E-07	1.11E-06
MAU2	0.55	2.70E-07	1.11E-06
EAF1-AS1	-3.65	2.70E-07	1.11E-06
VTRNA1-3	-5.59	2.70E-07	1.11E-06
COL16A1	1.25	2.70E-07	1.11E-06
EML5	-1.63	2.71E-07	1.11E-06
LINC00843	-1.59	2.72E-07	1.11E-06
LIMS1	0.79	2.72E-07	1.12E-06
EIF4EP1	-5.65	2.73E-07	1.12E-06
PSMB3	0.80	2.73E-07	1.12E-06
FBXO17	0.92	2.73E-07	1.12E-06
G33836	-6.58	2.75E-07	1.12E-06
EIF6	0.84	2.75E-07	1.13E-06
CDHR1	-1.63	2.75E-07	1.13E-06
ZC3H12B	-1.46	2.76E-07	1.13E-06
RP11-392O18.2	-5.64	2.77E-07	1.13E-06
CFAP43	-1.74	2.77E-07	1.13E-06
G24466	-5.69	2.78E-07	1.14E-06
NTAN1P2	-2.29	2.79E-07	1.14E-06
ADGRE5	1.36	2.79E-07	1.14E-06
MAGI1-AS1	-5.88	2.79E-07	1.14E-06
ZNFX1	-0.55	2.80E-07	1.14E-06
RP11-364L4.1	-4.26	2.80E-07	1.15E-06
RP11-71H17.1	-5.67	2.80E-07	1.15E-06
MMP7	3.67	2.82E-07	1.15E-06
MIR3128	-5.71	2.85E-07	1.16E-06
CTD-2012K14.6	-2.62	2.85E-07	1.16E-06
ST3GAL2	1.24	2.87E-07	1.17E-06
AC008592.7	-5.64	2.88E-07	1.17E-06

Gene	Value	P-value	Adj. P-value
CCAR2	0.52	2.88E-07	1.18E-06
XRCC2	-1.02	2.90E-07	1.18E-06
SDK2	1.54	2.90E-07	1.18E-06
RP11-739L10.1	-3.28	2.90E-07	1.18E-06
CYTH1	0.42	2.93E-07	1.19E-06
OTUD4P1	-5.86	2.93E-07	1.19E-06
RP11-115H15.2	-3.59	2.93E-07	1.19E-06
WNK1	-0.81	2.93E-07	1.20E-06
GPRIN2	-1.22	2.94E-07	1.20E-06
RP1-91J24.3	-5.61	2.94E-07	1.20E-06
CETP	2.02	2.95E-07	1.20E-06
CHORDC1	-0.96	2.96E-07	1.21E-06
NR1I3	-1.21	2.96E-07	1.21E-06
LY6G5C	2.52	2.96E-07	1.21E-06
LBX2-AS1	2.53	2.96E-07	1.21E-06
WDHD1	-0.79	2.97E-07	1.21E-06
KDM3B	-0.43	2.97E-07	1.21E-06
HRCT1	3.70	2.97E-07	1.21E-06
MRGPRX2	-5.75	2.98E-07	1.21E-06
RP1-27K12.4	-3.41	2.98E-07	1.21E-06
RP11-507K2.6	-3.31	2.99E-07	1.22E-06
SNX18P7	-2.07	2.99E-07	1.22E-06
HMGA1	0.86	2.99E-07	1.22E-06
RHCG	3.65	2.99E-07	1.22E-06
NAGPA	0.73	3.00E-07	1.22E-06
G6PD	1.13	3.01E-07	1.22E-06
PTGES3P1	1.05	3.01E-07	1.23E-06
RP11-295B17.6	-5.67	3.01E-07	1.23E-06
LDB2	1.87	3.02E-07	1.23E-06
G19426	-4.77	3.02E-07	1.23E-06
RP11-160E2.6	-2.38	3.03E-07	1.23E-06
NANOGP5	-5.66	3.05E-07	1.24E-06
RP11-83B20.1	-4.10	3.05E-07	1.24E-06
VPS37A	-0.52	3.08E-07	1.25E-06
RN7SKP271	-5.77	3.08E-07	1.25E-06
HAUS1	0.80	3.09E-07	1.26E-06
RP11-380M21.1	-3.80	3.09E-07	1.26E-06
GON4L	-0.40	3.11E-07	1.26E-06
SNX14	-0.60	3.11E-07	1.26E-06
SLC25A38	0.72	3.11E-07	1.26E-06
AC093388.3	-2.34	3.12E-07	1.27E-06
RLIMP1	-2.87	3.12E-07	1.27E-06
FAM101B	1.66	3.14E-07	1.27E-06
SMCR5	-4.61	3.14E-07	1.28E-06
ALX1	-1.60	3.14E-07	1.28E-06

H3F3AP4	1.80	3.15E-07	1.28E-06
ZNF564	-2.26	3.15E-07	1.28E-06
FOCAD	-0.74	3.15E-07	1.28E-06
TRPC5	-5.66	3.16E-07	1.28E-06
NACC2	0.76	3.17E-07	1.29E-06
CNNM3	0.75	3.18E-07	1.29E-06
RPL13	0.78	3.18E-07	1.29E-06
SOWAHD	2.65	3.19E-07	1.29E-06
CBX5P1	-5.45	3.19E-07	1.29E-06
CTD-2583A14.8	1.73	3.20E-07	1.30E-06
GPT2	0.89	3.21E-07	1.30E-06
BCAP29	-0.95	3.22E-07	1.31E-06
PCYT2	0.89	3.23E-07	1.31E-06
GTF2IRD2B	0.95	3.24E-07	1.31E-06
RP11-643A5.3	-2.75	3.25E-07	1.32E-06
DCDC1	-4.48	3.25E-07	1.32E-06
IZUMO4	1.41	3.25E-07	1.32E-06
CCL22	-1.90	3.26E-07	1.32E-06
EIF1B	0.76	3.27E-07	1.32E-06
AC017048.1	-5.93	3.28E-07	1.33E-06
RBPMSLP	-5.60	3.30E-07	1.34E-06
RP11-525G13.2	-2.52	3.31E-07	1.34E-06
XLOC_007276	-5.70	3.32E-07	1.34E-06
ZNF572	-1.18	3.33E-07	1.35E-06
LOXL3	2.00	3.33E-07	1.35E-06
RP11-290F24.6	-2.05	3.33E-07	1.35E-06
SNORA30	-5.59	3.34E-07	1.35E-06
RP11-20B24.6	-5.65	3.35E-07	1.35E-06
TSC1	-0.60	3.35E-07	1.36E-06
KIF28P	-3.83	3.35E-07	1.36E-06
MSX1	1.92	3.36E-07	1.36E-06
RP11-280O24.3	-5.73	3.36E-07	1.36E-06
DOCK9	-0.54	3.37E-07	1.36E-06
ZCRB1	0.82	3.37E-07	1.36E-06
AC104058.1	-5.89	3.38E-07	1.36E-06
SHROOM3	-1.35	3.38E-07	1.37E-06
HGH1	1.61	3.38E-07	1.37E-06
PPIL6	-1.29	3.38E-07	1.37E-06
SPEN	-0.75	3.38E-07	1.37E-06
RP13-210D15.8	-4.04	3.38E-07	1.37E-06
C8orf33	0.62	3.39E-07	1.37E-06
RP11-801G16.2	-5.85	3.39E-07	1.37E-06
KIF1BP	0.47	3.39E-07	1.37E-06
ZFHX4	1.53	3.40E-07	1.37E-06
VASN	1.48	3.40E-07	1.37E-06

CLIC3	1.15	3.41E-07	1.38E-06
XLOC_001097	-3.68	3.42E-07	1.38E-06
LINC00969	-1.72	3.42E-07	1.38E-06
RP6-24A23.3	-5.62	3.43E-07	1.38E-06
TSPAN10	1.75	3.43E-07	1.38E-06
TRIM24	-0.65	3.43E-07	1.38E-06
G39123	-7.63	3.43E-07	1.38E-06
RP11-148B6.1	-5.68	3.45E-07	1.39E-06
BSDC1	0.42	3.46E-07	1.39E-06
WDR38	-3.94	3.47E-07	1.40E-06
GIGYF1	0.97	3.47E-07	1.40E-06
SH3BP5-AS1	-1.44	3.47E-07	1.40E-06
RGL4	-1.87	3.47E-07	1.40E-06
BAP1	0.44	3.49E-07	1.41E-06
RP11-192H23.4	1.43	3.49E-07	1.41E-06
KRT12	-2.84	3.50E-07	1.41E-06
SNX16	-1.01	3.51E-07	1.41E-06
CTD-2357A8.2	-3.92	3.52E-07	1.42E-06
CTD-2542C24.5	-4.02	3.53E-07	1.42E-06
SEPT7P9	-2.71	3.53E-07	1.42E-06
AC010877.1	-5.92	3.56E-07	1.43E-06
ZSCAN2	1.24	3.57E-07	1.44E-06
EGLN3P1	-4.19	3.58E-07	1.44E-06
CTSO	1.20	3.59E-07	1.44E-06
LHX2	-3.71	3.61E-07	1.45E-06
RP11-110I1.5	-3.14	3.62E-07	1.46E-06
CTD-2083E4.5	-2.90	3.62E-07	1.46E-06
RNF32	-1.44	3.64E-07	1.46E-06
LINC01619	-1.67	3.64E-07	1.46E-06
CAPG	0.78	3.64E-07	1.46E-06
CTD-3222D19.8	-1.99	3.64E-07	1.46E-06
CORO1A	1.28	3.64E-07	1.46E-06
MAL	1.76	3.65E-07	1.47E-06
CDCA5	1.02	3.65E-07	1.47E-06
AC008440.10	-3.51	3.65E-07	1.47E-06
ALOX12P2	-2.09	3.68E-07	1.48E-06
LINC01482	4.04	3.69E-07	1.48E-06
DCUN1D2-AS	-5.50	3.71E-07	1.49E-06
HNRNPMP1	-5.67	3.72E-07	1.49E-06
SERTAD4-AS1	1.90	3.74E-07	1.50E-06
RP11-534L20.4	-5.68	3.75E-07	1.50E-06
RAB15	1.06	3.75E-07	1.50E-06
VSIG2	1.65	3.79E-07	1.52E-06
ANXA5	1.09	3.82E-07	1.53E-06
SLC22A18	1.05	3.82E-07	1.53E-06

CECR2	-2.29	3.83E-07	1.54E-06
AC092484.1	-5.60	3.84E-07	1.54E-06
CLDN15	1.21	3.84E-07	1.54E-06
RNU6-780P	-5.77	3.87E-07	1.55E-06
HMGN1	0.59	3.87E-07	1.55E-06
KCNJ6	4.94	3.89E-07	1.56E-06
VWCE	2.31	3.89E-07	1.56E-06
CTD-2302E22.5	-3.41	3.89E-07	1.56E-06
VN1R1	-1.66	3.90E-07	1.56E-06
ADCY5	1.50	3.91E-07	1.57E-06
RP5-856G1.2	-3.96	3.92E-07	1.57E-06
G30143	-4.59	3.92E-07	1.57E-06
RP3-476K8.3	-3.56	3.92E-07	1.57E-06
RP11-322D14.1	-5.75	3.93E-07	1.57E-06
GUCD1	0.47	3.95E-07	1.58E-06
RP11-113K21.6	-2.62	3.95E-07	1.58E-06
LCP1	-1.29	3.95E-07	1.58E-06
GDF15	3.59	3.96E-07	1.58E-06
CTC-421K24.1	-5.56	3.97E-07	1.59E-06
HSFY3P	-5.80	3.97E-07	1.59E-06
AUP1	0.60	3.97E-07	1.59E-06
RP11-98I9.4	-1.08	3.97E-07	1.59E-06
ZACN	-2.73	3.97E-07	1.59E-06
ZNF208	-2.92	4.00E-07	1.60E-06
RP11-171G2.1	-5.64	4.00E-07	1.60E-06
C5orf51	-0.58	4.01E-07	1.60E-06
INTS1	0.79	4.01E-07	1.60E-06
FARS2	0.51	4.02E-07	1.61E-06
EEF1B2P7	-5.69	4.03E-07	1.61E-06
KCND3-IT1	-5.72	4.04E-07	1.62E-06
STIP1	0.74	4.05E-07	1.62E-06
XLOC_005574	-2.32	4.06E-07	1.62E-06
G11672	-2.58	4.06E-07	1.62E-06
FXYD3	0.84	4.06E-07	1.62E-06
LPAR6	0.80	4.06E-07	1.62E-06
G25499	-2.64	4.08E-07	1.63E-06
SLC25A40	-0.69	4.09E-07	1.63E-06
FKBP11	1.32	4.09E-07	1.63E-06
FNTAP2	-5.78	4.09E-07	1.63E-06
KLHDC7B	3.51	4.11E-07	1.64E-06
RP11-274A11.3	-4.20	4.11E-07	1.64E-06
KLHL21	0.75	4.11E-07	1.64E-06
OTUD1	-0.96	4.13E-07	1.65E-06
CETN2	0.91	4.13E-07	1.65E-06
RP11-111M22.3	1.05	4.14E-07	1.65E-06

SERPINE3	-2.56	4.14E-07	1.65E-06
RBMX2	0.76	4.15E-07	1.66E-06
OSBPL6	-1.23	4.16E-07	1.66E-06
RP11-319G9.1	-5.90	4.17E-07	1.66E-06
LARP6	1.71	4.17E-07	1.66E-06
OSBPL5	0.77	4.17E-07	1.66E-06
MRPL36	0.87	4.18E-07	1.66E-06
CHI3L2	2.72	4.19E-07	1.67E-06
LINC00893	-1.96	4.20E-07	1.68E-06
DLX6	1.76	4.21E-07	1.68E-06
PHF21A	0.74	4.22E-07	1.68E-06
RPL3P1	-5.54	4.23E-07	1.68E-06
RP11-383B4.4	-3.85	4.23E-07	1.69E-06
TCF15	5.27	4.23E-07	1.69E-06
THEM4	0.97	4.23E-07	1.69E-06
CAMTA2	1.10	4.24E-07	1.69E-06
GLDN	-1.52	4.25E-07	1.69E-06
CD4	1.63	4.25E-07	1.69E-06
PPCDC	0.77	4.26E-07	1.70E-06
DOK5	2.92	4.27E-07	1.70E-06
RP11-484D2.3	-3.21	4.28E-07	1.70E-06
AP004289.2	-5.90	4.29E-07	1.71E-06
NFIA-AS1	-4.20	4.29E-07	1.71E-06
ADGRG2	-1.71	4.30E-07	1.71E-06
LRRC41	0.46	4.32E-07	1.72E-06
RANBP6	-0.74	4.33E-07	1.72E-06
NUDT12	-0.99	4.34E-07	1.72E-06
SPNS2	1.00	4.36E-07	1.73E-06
TMEM140	0.88	4.36E-07	1.73E-06
RP11-484D2.2	-2.52	4.38E-07	1.74E-06
WDR73	-0.97	4.41E-07	1.75E-06
ABHD17C	0.71	4.41E-07	1.75E-06
DCUN1D4	-0.58	4.41E-07	1.75E-06
TTC14	-1.05	4.41E-07	1.75E-06
PFN1P2	-2.34	4.42E-07	1.76E-06
TPRG1-AS2	-5.78	4.44E-07	1.76E-06
PDZK1	-3.78	4.44E-07	1.76E-06
MSL1	0.51	4.45E-07	1.77E-06
ZDHHC14	1.10	4.47E-07	1.77E-06
G19170	-2.76	4.48E-07	1.78E-06
CTA-29F11.1	1.67	4.48E-07	1.78E-06
FAF1	-0.49	4.48E-07	1.78E-06
RP11-690I21.2	-3.75	4.49E-07	1.78E-06
ZNF528	-1.00	4.50E-07	1.79E-06
1-Mar	-1.56	4.50E-07	1.79E-06

Gene	Value	P-value	Adj P-value
G38458	-3.44	4.52E-07	1.79E-06
RP11-535A19.1	-1.42	4.53E-07	1.80E-06
G12735	-2.06	4.54E-07	1.80E-06
MT-TC	-3.98	4.54E-07	1.80E-06
LY96	2.16	4.54E-07	1.80E-06
ELMOD2	-0.82	4.59E-07	1.82E-06
KCNV2	-3.96	4.59E-07	1.82E-06
LY6H	8.48	4.60E-07	1.82E-06
MT-CO3	0.93	4.62E-07	1.83E-06
FEZ2	0.61	4.64E-07	1.84E-06
XLOC_011152	-1.79	4.67E-07	1.85E-06
HTR1F	2.70	4.69E-07	1.86E-06
PAXBP1-AS1	-1.41	4.69E-07	1.86E-06
GTF2H5	0.76	4.71E-07	1.86E-06
TMEM17	0.73	4.71E-07	1.87E-06
NCOA1	-0.45	4.73E-07	1.88E-06
ATE1	-0.57	4.74E-07	1.88E-06
AL133243.2	-1.81	4.75E-07	1.88E-06
AL161450.1	-5.74	4.76E-07	1.88E-06
MRTO4	0.81	4.77E-07	1.89E-06
C10orf71	-4.49	4.78E-07	1.89E-06
SCARNA18	-5.32	4.78E-07	1.89E-06
HLF	-1.38	4.81E-07	1.90E-06
TSEN2	-0.71	4.82E-07	1.91E-06
CTA-280A3.2	-3.03	4.82E-07	1.91E-06
AF131215.3	-3.38	4.84E-07	1.91E-06
RP11-113C12.4	-4.59	4.86E-07	1.92E-06
CTA-414D7.1	-2.75	4.86E-07	1.92E-06
RHOXF1-AS1	-2.82	4.87E-07	1.93E-06
FLNA	0.73	4.89E-07	1.93E-06
RP4-675C20.4	-3.45	4.89E-07	1.93E-06
RANBP1	0.68	4.91E-07	1.94E-06
EIF4BP5	-5.77	4.91E-07	1.94E-06
LDHAP2	-5.61	4.91E-07	1.94E-06
PUM2	-0.65	4.92E-07	1.94E-06
TAS2R63P	-5.54	4.93E-07	1.95E-06
SF3A3P1	-5.62	4.98E-07	1.97E-06
AC009961.3	-1.14	4.99E-07	1.97E-06
KIAA1658	-5.70	4.99E-07	1.97E-06
BMS1P7	-3.70	5.00E-07	1.97E-06
CTA-250D13.1	-5.89	5.00E-07	1.97E-06
RNU6-3P	-5.39	5.01E-07	1.98E-06
RP11-96C23.9	-3.29	5.02E-07	1.98E-06
PALB2	-0.60	5.03E-07	1.98E-06
RP11-258C19.4	-2.38	5.03E-07	1.98E-06

G26248	-5.44	5.04E-07	1.99E-06
SNORD117	-5.11	5.05E-07	1.99E-06
C1orf147	-2.15	5.07E-07	2.00E-06
LAP3	0.79	5.07E-07	2.00E-06
PLEKHS1	3.90	5.08E-07	2.00E-06
RP11-785H5.2	-5.69	5.08E-07	2.00E-06
RP11-33B1.3	-4.56	5.08E-07	2.00E-06
RP11-342K6.2	-2.95	5.09E-07	2.01E-06
PRIMPOL	-0.61	5.10E-07	2.01E-06
COL11A1	4.70	5.10E-07	2.01E-06
RP11-45M22.5	-5.94	5.10E-07	2.01E-06
UPB1	-4.95	5.10E-07	2.01E-06
AC007283.4	-5.53	5.11E-07	2.01E-06
LINC01013	3.23	5.12E-07	2.02E-06
CTD-2373N4.5	-5.49	5.13E-07	2.02E-06
RP11-195B17.1	-2.92	5.14E-07	2.02E-06
RP11-201O14.1	-5.48	5.15E-07	2.03E-06
SUGT1P2	-3.62	5.16E-07	2.03E-06
LOC100421166	-5.59	5.16E-07	2.03E-06
TARBP1	-0.84	5.18E-07	2.04E-06
WDPCP	-1.18	5.19E-07	2.04E-06
ZRANB3	-0.72	5.19E-07	2.04E-06
RP11-123C21.3	-5.50	5.19E-07	2.04E-06
TFR2	1.19	5.20E-07	2.05E-06
RP11-264L1.4	-3.86	5.24E-07	2.06E-06
BTBD3	-0.78	5.24E-07	2.06E-06
AC124997.1	-5.77	5.26E-07	2.07E-06
PRDX2P3	-3.16	5.27E-07	2.07E-06
RP11-541N10.3	1.07	5.28E-07	2.08E-06
C2CD5	-0.61	5.30E-07	2.08E-06
LRRC57	-0.54	5.31E-07	2.09E-06
RBX1	0.69	5.35E-07	2.10E-06
RP11-391L3.3	-2.91	5.38E-07	2.11E-06
RP11-325E14.5	-5.69	5.39E-07	2.12E-06
LINC00963	0.91	5.39E-07	2.12E-06
RP11-123N4.4	-5.75	5.40E-07	2.12E-06
DNM2	0.59	5.40E-07	2.12E-06
ZNF575	1.49	5.40E-07	2.12E-06
RP11-142L16.2	-5.54	5.41E-07	2.12E-06
EPHA3	1.66	5.42E-07	2.13E-06
PHRF1	0.59	5.43E-07	2.13E-06
AC005062.2	-2.70	5.46E-07	2.14E-06
RP11-829H16.5	-5.81	5.47E-07	2.15E-06
FKBP1AP2	-5.64	5.48E-07	2.15E-06
HAX1	0.63	5.51E-07	2.16E-06

WDR83OS	-0.66	5.52E-07	2.16E-06
MIR554	-5.80	5.53E-07	2.17E-06
RP11-25D3.1	-5.58	5.54E-07	2.17E-06
RGS19	1.03	5.55E-07	2.18E-06
SPTSSA	1.10	5.55E-07	2.18E-06
AC008074.5	-5.50	5.56E-07	2.18E-06
LYPD1	4.38	5.57E-07	2.18E-06
TNNI2	-2.53	5.58E-07	2.19E-06
COL21A1	-1.16	5.60E-07	2.19E-06
CWC25	0.54	5.63E-07	2.21E-06
C8orf58	0.68	5.64E-07	2.21E-06
FCF1P8	-5.57	5.64E-07	2.21E-06
RP11-272L14.2	-2.46	5.64E-07	2.21E-06
MIR3139	-5.69	5.64E-07	2.21E-06
EIF2S2P5	-5.68	5.69E-07	2.23E-06
THAP9	-0.72	5.70E-07	2.23E-06
RP11-804N13.1	-4.24	5.71E-07	2.23E-06
RP4-529N6.2	2.87	5.73E-07	2.24E-06
RP5-1136G13.2	1.05	5.73E-07	2.24E-06
AC010522.1	-5.49	5.78E-07	2.26E-06
RP11-257O5.2	-1.45	5.78E-07	2.26E-06
MKRN5P	-4.21	5.79E-07	2.26E-06
AC083875.2	-5.55	5.79E-07	2.26E-06
CTD-2186M15.3	1.41	5.80E-07	2.27E-06
DFNB31	1.20	5.80E-07	2.27E-06
EEF1A1P32	-5.65	5.80E-07	2.27E-06
DDX47	-1.70	5.80E-07	2.27E-06
HSPG2	1.37	5.81E-07	2.27E-06
EEF1A1P3	-2.59	5.83E-07	2.28E-06
RP11-701P16.2	-2.70	5.85E-07	2.29E-06
GANC	-0.65	5.85E-07	2.29E-06
MTUS1	0.76	5.86E-07	2.29E-06
LIFR	-1.49	5.86E-07	2.29E-06
PPIHP1	-5.77	5.86E-07	2.29E-06
PNCK	3.04	5.87E-07	2.29E-06
RP11-446N19.1	-1.84	5.88E-07	2.30E-06
G39805	-5.59	5.91E-07	2.31E-06
RGCC	1.39	5.92E-07	2.31E-06
SMCO4	1.27	5.93E-07	2.31E-06
INPP5A	-0.64	5.93E-07	2.32E-06
MYH10	0.80	5.93E-07	2.32E-06
BMS1P10	1.69	5.94E-07	2.32E-06
WDR91	0.79	5.94E-07	2.32E-06
LRRC61	0.94	5.97E-07	2.33E-06
VNN3	3.75	5.98E-07	2.33E-06

RP11-1023L17.1	-1.48	5.98E-07	2.33E-06
APAF1	-0.86	5.98E-07	2.33E-06
PRKCI	-0.61	6.00E-07	2.34E-06
AC008592.3	1.96	6.00E-07	2.34E-06
SLC7A5	1.19	6.01E-07	2.34E-06
FAM166A	-5.86	6.07E-07	2.37E-06
SPRR2A	5.56	6.08E-07	2.37E-06
PSG11	-5.55	6.08E-07	2.37E-06
AC008079.10	-2.08	6.09E-07	2.37E-06
RP11-317B17.4	-5.38	6.09E-07	2.37E-06
SCARNA11	-5.32	6.11E-07	2.38E-06
FOXF1	3.44	6.13E-07	2.39E-06
SIRT1	-0.49	6.14E-07	2.39E-06
ARHGAP32	-0.71	6.15E-07	2.39E-06
DRAM1	1.38	6.15E-07	2.40E-06
RP11-613F22.8	-3.29	6.16E-07	2.40E-06
SNORD82	-5.91	6.16E-07	2.40E-06
MIR3142HG	-2.18	6.17E-07	2.40E-06
DNAJB4	-1.07	6.19E-07	2.41E-06
STX8	0.60	6.20E-07	2.42E-06
MYBBP1A	0.77	6.24E-07	2.43E-06
RP13-1056D16.2	-5.46	6.24E-07	2.43E-06
RP11-1086F11.1	-4.16	6.25E-07	2.43E-06
SGOL1	-1.25	6.28E-07	2.44E-06
RIMKLA	2.01	6.30E-07	2.45E-06
RP11-166N17.1	-4.15	6.33E-07	2.46E-06
CACTIN	0.65	6.34E-07	2.47E-06
FLG	-1.58	6.34E-07	2.47E-06
ZNF746	0.58	6.36E-07	2.47E-06
RP11-565F19.2	-1.52	6.38E-07	2.48E-06
C12orf65	0.49	6.38E-07	2.48E-06
RP11-36N20.1	-5.70	6.38E-07	2.48E-06
G3030	3.88	6.38E-07	2.48E-06
FOXN3-AS1	1.37	6.39E-07	2.48E-06
DNAH14	-1.56	6.39E-07	2.48E-06
RP11-474P2.2	-2.37	6.40E-07	2.49E-06
NT5C1B	-3.11	6.41E-07	2.49E-06
FOXI3	-5.96	6.41E-07	2.49E-06
EIF3K	0.57	6.42E-07	2.49E-06
RP11-211G3.3	-4.19	6.45E-07	2.50E-06
RP11-44F21.3	-3.30	6.45E-07	2.50E-06
N4BP2L1	-0.94	6.45E-07	2.51E-06
LOR	1.52	6.46E-07	2.51E-06
RP11-627K11.3	-5.59	6.48E-07	2.51E-06
MDH2	0.65	6.48E-07	2.52E-06

SLCO2B1	1.95	6.49E-07	2.52E-06
G42703	-5.64	6.50E-07	2.52E-06
PGS1	0.69	6.51E-07	2.52E-06
CTD-2231E14.8	-3.16	6.51E-07	2.53E-06
UBXN10	-1.55	6.54E-07	2.54E-06
RP11-305L7.7	-1.60	6.54E-07	2.54E-06
RP11-798M19.3	-2.29	6.55E-07	2.54E-06
TUBA3D	-2.23	6.55E-07	2.54E-06
RP11-201O14.2	-5.39	6.58E-07	2.55E-06
PRADC1	0.76	6.59E-07	2.56E-06
SIDT2	0.62	6.59E-07	2.56E-06
ERI3-IT1	-3.76	6.60E-07	2.56E-06
XLOC_009790	4.85	6.62E-07	2.57E-06
RNA5SP20	-5.78	6.63E-07	2.57E-06
RP11-693M3.1	-2.55	6.64E-07	2.57E-06
CYP4F8	-4.96	6.67E-07	2.58E-06
SNRNP35	0.71	6.68E-07	2.59E-06
PPAT	-0.65	6.72E-07	2.60E-06
CTD-3094K11.1	3.10	6.72E-07	2.60E-06
RP11-389G6.4	-5.43	6.72E-07	2.60E-06
MAGOHB	-0.58	6.73E-07	2.61E-06
RP11-147L13.8	-2.38	6.75E-07	2.61E-06
RPL12P31	-5.86	6.75E-07	2.61E-06
AC093732.1	-4.49	6.78E-07	2.62E-06
RIT1	0.54	6.79E-07	2.63E-06
TSSK4	-1.57	6.80E-07	2.63E-06
AC073043.1	-3.58	6.80E-07	2.63E-06
RBMS1P1	-3.56	6.81E-07	2.63E-06
RPS20P4	-5.73	6.81E-07	2.64E-06
RP11-800A18.3	-1.72	6.83E-07	2.64E-06
TADA2B	0.40	6.83E-07	2.64E-06
FAM186B	-2.25	6.83E-07	2.64E-06
RP11-37B2.1	-1.51	6.84E-07	2.64E-06
G31829	-5.31	6.86E-07	2.65E-06
EIF3I	0.75	6.87E-07	2.66E-06
LRRC47	0.54	6.89E-07	2.66E-06
AC147651.4	2.56	6.91E-07	2.67E-06
CTA-972D3.2	-5.48	6.91E-07	2.67E-06
SNRK	-0.68	6.92E-07	2.67E-06
AP000437.3	-2.09	6.93E-07	2.68E-06
DDIT3	0.99	6.94E-07	2.68E-06
RP6-24A23.7	-3.33	6.94E-07	2.68E-06
INTS7	-0.71	6.98E-07	2.70E-06
AL391994.1	-5.52	7.00E-07	2.70E-06
TMPRSS11GP	-3.48	7.00E-07	2.70E-06

KLHL3	1.10	7.01E-07	2.70E-06
RNU6-1033P	-5.80	7.01E-07	2.71E-06
RP11-244G12.1	-6.20	7.03E-07	2.71E-06
LMNB2	0.84	7.04E-07	2.72E-06
MAD2L1BP	0.61	7.05E-07	2.72E-06
SLC9B1	-1.34	7.05E-07	2.72E-06
CTNND2	-3.20	7.09E-07	2.74E-06
MTAP	-0.46	7.10E-07	2.74E-06
RP11-264L1.3	-6.03	7.14E-07	2.75E-06
RP11-417B4.2	-5.51	7.16E-07	2.76E-06
CTD-2007L18.5	-4.47	7.17E-07	2.76E-06
ADAP1	1.31	7.17E-07	2.76E-06
ME3	1.74	7.17E-07	2.76E-06
SAAL1	0.59	7.20E-07	2.77E-06
RP11-546B15.1	-3.10	7.20E-07	2.77E-06
DDX58	-0.91	7.22E-07	2.78E-06
ZNF501	-0.93	7.24E-07	2.79E-06
CD302	-1.32	7.24E-07	2.79E-06
SCYL3	-0.54	7.25E-07	2.79E-06
MTHFD2L	-1.09	7.25E-07	2.79E-06
RP11-5N19.3	-5.42	7.30E-07	2.81E-06
POPDC2	1.86	7.31E-07	2.81E-06
AC010761.13	-2.50	7.31E-07	2.81E-06
RP4-802A10.1	-4.89	7.31E-07	2.81E-06
CTC-550B14.6	-5.50	7.32E-07	2.82E-06
PTCHD4	3.96	7.33E-07	2.82E-06
DOLK	0.72	7.35E-07	2.83E-06
CASZ1	-0.84	7.35E-07	2.83E-06
BTG2	1.11	7.39E-07	2.84E-06
CABP1	1.85	7.39E-07	2.84E-06
LRRC56	1.14	7.41E-07	2.85E-06
SHOX2	2.29	7.43E-07	2.86E-06
CDKL4	-3.46	7.43E-07	2.86E-06
MIRLET7F1	-5.48	7.45E-07	2.86E-06
RP11-103C16.2	-3.20	7.45E-07	2.87E-06
MRPL32	0.61	7.46E-07	2.87E-06
KCNC3	1.82	7.46E-07	2.87E-06
PALM2	-1.92	7.47E-07	2.87E-06
RP4-655J12.4	-2.86	7.48E-07	2.87E-06
AP001439.2	-5.60	7.48E-07	2.87E-06
FAM171B	-1.37	7.49E-07	2.88E-06
C12orf29	-1.03	7.49E-07	2.88E-06
CEP76	-0.94	7.50E-07	2.88E-06
SALL1	3.64	7.53E-07	2.89E-06
CTD-3234P18.6	-2.46	7.55E-07	2.90E-06

RP11-295M3.2	-4.78	7.55E-07	2.90E-06
SNORD116-24	-5.57	7.58E-07	2.91E-06
RAB40B	0.59	7.59E-07	2.91E-06
ADRA1D	4.58	7.62E-07	2.92E-06
RP11-274B21.10	-3.37	7.64E-07	2.93E-06
RNA5SP187	-5.11	7.66E-07	2.94E-06
RP11-529H22.1	-5.51	7.67E-07	2.94E-06
VKORC1L1	-0.69	7.67E-07	2.94E-06
SDPR	1.50	7.70E-07	2.95E-06
TM9SF3	-0.64	7.73E-07	2.96E-06
CECR1	1.58	7.77E-07	2.98E-06
RP11-15M15.1	-5.79	7.78E-07	2.98E-06
WIPI2	0.68	7.80E-07	2.99E-06
SLC9A9-AS1	-5.47	7.82E-07	3.00E-06
NOS1	-2.04	7.82E-07	3.00E-06
GRIP1	-1.13	7.83E-07	3.00E-06
SLC22A23	0.92	7.83E-07	3.00E-06
CTA-390C10.10	-1.80	7.85E-07	3.01E-06
EIF2S2P3	3.52	7.85E-07	3.01E-06
TMEM182	1.45	7.86E-07	3.01E-06
RP11-314N13.9	-2.13	7.86E-07	3.01E-06
KATNBL1	-0.55	7.86E-07	3.01E-06
PGAM1P6	-5.44	7.88E-07	3.02E-06
LONRF3	-1.88	7.89E-07	3.02E-06
LINC01359	-2.57	7.89E-07	3.02E-06
CCAT2	-5.66	7.90E-07	3.02E-06
RPL7P7	-5.71	7.90E-07	3.02E-06
RP1-102H19.7	-5.45	7.92E-07	3.03E-06
RPL7AP65	-5.45	7.92E-07	3.03E-06
RPL3P6	-4.02	7.94E-07	3.04E-06
VPS26AP1	-5.43	7.94E-07	3.04E-06
RNU6-6P	-5.53	7.95E-07	3.04E-06
ZNF514	-0.94	7.97E-07	3.05E-06
FAM195A	1.58	7.97E-07	3.05E-06
MORC2	0.60	7.99E-07	3.05E-06
RP11-39E3.5	-5.42	7.99E-07	3.05E-06
G5758	-1.98	8.00E-07	3.06E-06
ATL2	-0.64	8.02E-07	3.07E-06
RAD51AP1P1	-5.60	8.03E-07	3.07E-06
YBX1P6	-1.87	8.03E-07	3.07E-06
ROCK2	-0.61	8.05E-07	3.07E-06
EFCAB14-AS1	-3.21	8.06E-07	3.08E-06
ZNF280B	-1.77	8.10E-07	3.09E-06
C15orf59	-1.37	8.10E-07	3.09E-06
NOP56P3	-5.43	8.10E-07	3.09E-06

RMRPP4	-5.60	8.10E-07	3.09E-06
BAIAP2L2	1.51	8.13E-07	3.10E-06
RPL7P17	-5.46	8.15E-07	3.11E-06
RP11-927P21.4	1.42	8.16E-07	3.12E-06
IL16	-1.14	8.18E-07	3.12E-06
RP11-223P11.3	-2.62	8.19E-07	3.12E-06
Z83844.1	-4.61	8.20E-07	3.13E-06
ADA	1.53	8.21E-07	3.13E-06
TBX5-AS1	-2.25	8.21E-07	3.13E-06
RP11-406H23.5	-5.68	8.24E-07	3.14E-06
BTF3L4P1	-5.46	8.26E-07	3.15E-06
G9978	-0.97	8.26E-07	3.15E-06
POM121L14P	-5.53	8.26E-07	3.15E-06
IFIT3	1.69	8.27E-07	3.15E-06
RP5-855D21.1	-1.86	8.31E-07	3.17E-06
GPRIN1	2.15	8.32E-07	3.17E-06
RP1-41C23.1	-5.61	8.33E-07	3.18E-06
IGHM	4.56	8.37E-07	3.19E-06
LURAP1L-AS1	-3.13	8.38E-07	3.19E-06
ZNF225	-0.70	8.42E-07	3.21E-06
IMMP1L	-0.69	8.45E-07	3.22E-06
WBP4	0.65	8.45E-07	3.22E-06
CTD-2175A23.1	-5.55	8.50E-07	3.24E-06
ANKRD18B	-1.47	8.51E-07	3.24E-06
ICOSLG	1.22	8.53E-07	3.25E-06
CPM	-0.87	8.57E-07	3.26E-06
RRH	-3.58	8.57E-07	3.26E-06
AC068657.2	-5.43	8.60E-07	3.27E-06
MOGS	0.66	8.61E-07	3.27E-06
AL133262.1	-5.48	8.64E-07	3.29E-06
ZBED6CL	1.06	8.65E-07	3.29E-06
RP11-244N9.4	-3.55	8.68E-07	3.30E-06
IGSF21	3.74	8.73E-07	3.32E-06
EEF1GP2	-5.88	8.74E-07	3.32E-06
RN7SKP151	-5.62	8.78E-07	3.34E-06
CHRNA9	2.61	8.79E-07	3.34E-06
LINC01364	-3.37	8.80E-07	3.35E-06
RP11-554D20.2	-4.54	8.82E-07	3.35E-06
PRED57	-5.55	8.82E-07	3.35E-06
RP11-135A24.2	-5.52	8.84E-07	3.36E-06
STX1A	1.52	8.94E-07	3.40E-06
CTA-228A9.4	-2.48	8.95E-07	3.40E-06
RP11-365O16.5	-5.45	8.96E-07	3.40E-06
LYPLAL1	-0.75	9.01E-07	3.42E-06
RP11-453E17.4	-5.47	9.03E-07	3.43E-06

CTC-506B8.1	-5.64	9.04E-07	3.43E-06
IL36G	1.77	9.04E-07	3.43E-06
XLOC_012871	-5.50	9.04E-07	3.43E-06
RP11-176D17.3	-3.50	9.04E-07	3.43E-06
NRARP	1.16	9.05E-07	3.43E-06
CLCC1	-0.54	9.05E-07	3.44E-06
KCTD20	-0.59	9.06E-07	3.44E-06
CBLN3	1.44	9.07E-07	3.44E-06
ARF4	0.76	9.10E-07	3.45E-06
AC132872.2	-2.31	9.12E-07	3.46E-06
ICE2	-0.57	9.12E-07	3.46E-06
ZSCAN16	-0.83	9.12E-07	3.46E-06
VEGFA	1.41	9.13E-07	3.46E-06
RP11-295P9.12	-3.32	9.13E-07	3.46E-06
FDPSP2	-5.75	9.13E-07	3.46E-06
POU5F1P5	-4.47	9.14E-07	3.46E-06
RP1-261D10.1	-5.59	9.16E-07	3.47E-06
MESP1	2.76	9.16E-07	3.47E-06
TRIM21	0.81	9.17E-07	3.48E-06
ZNF707	1.05	9.19E-07	3.48E-06
SNORA31	-2.18	9.19E-07	3.48E-06
NIT1	0.86	9.20E-07	3.48E-06
STK17B	-0.93	9.24E-07	3.50E-06
G33562	-1.63	9.24E-07	3.50E-06
RPS3P2	-5.22	9.26E-07	3.50E-06
AC064852.4	-5.37	9.27E-07	3.51E-06
WDR78	-0.92	9.28E-07	3.51E-06
FOXP3	1.82	9.29E-07	3.52E-06
FETUB	2.17	9.30E-07	3.52E-06
RNU7-84P	-5.34	9.31E-07	3.52E-06
TUG1	-0.55	9.34E-07	3.54E-06
SH2D5	3.70	9.40E-07	3.56E-06
AC017101.10	-5.68	9.43E-07	3.57E-06
RP11-354E23.3	-5.79	9.45E-07	3.58E-06
EIF5A2P1	-5.45	9.47E-07	3.58E-06
SECISBP2	-0.64	9.47E-07	3.58E-06
RALGPS2	-0.91	9.49E-07	3.59E-06
CDCA4P4	-2.01	9.51E-07	3.60E-06
BIRC6-AS2	-4.64	9.54E-07	3.61E-06
DUSP22	0.48	9.59E-07	3.63E-06
RP11-471L13.3	-3.63	9.68E-07	3.66E-06
LRRC4C	2.71	9.69E-07	3.66E-06
HOXC4	1.52	9.70E-07	3.66E-06
SCARNA8	-5.74	9.72E-07	3.67E-06
TXNP5	-5.81	9.74E-07	3.68E-06

RP11-452J21.2	-4.52	9.75E-07	3.68E-06
RP11-363E6.3	2.42	9.81E-07	3.71E-06
TSLP	1.89	9.84E-07	3.72E-06
DSG4	-3.14	9.85E-07	3.72E-06
AC096921.2	-5.45	9.86E-07	3.72E-06
OSBPL11	-0.55	9.86E-07	3.72E-06
APOL4	1.84	9.92E-07	3.74E-06
GPR179	-5.68	9.94E-07	3.75E-06
AC067959.1	-1.77	9.95E-07	3.75E-06
RP11-673C5.1	1.13	9.95E-07	3.75E-06
PTH1R	2.10	9.96E-07	3.76E-06
CCL4	4.08	9.99E-07	3.77E-06
TPPP3	-1.76	9.99E-07	3.77E-06
ANKRD33B-AS1	-5.45	1.00E-06	3.77E-06
RNU6-1153P	-5.32	1.00E-06	3.77E-06
MYBL2	1.19	1.00E-06	3.77E-06
GLB1L	0.98	1.00E-06	3.78E-06
ABHD14A	1.45	1.00E-06	3.78E-06
G0S2	4.92	1.00E-06	3.79E-06
SUPT4H1P1	-5.36	1.01E-06	3.80E-06
SP140L	1.70	1.01E-06	3.80E-06
CTC-451P13.1	-2.78	1.01E-06	3.80E-06
RNU6-1334P	-5.56	1.01E-06	3.80E-06
RP3-406A7.3	-5.38	1.01E-06	3.81E-06
AP4E1	-0.75	1.01E-06	3.81E-06
RP4-569M23.4	-5.58	1.01E-06	3.81E-06
C17orf78	-4.03	1.02E-06	3.83E-06
AC005077.14	2.63	1.02E-06	3.83E-06
AC003989.4	-5.41	1.02E-06	3.83E-06
RP11-739P1.2	-3.00	1.02E-06	3.84E-06
NUTM2B-AS1	-1.20	1.02E-06	3.84E-06
RP11-39E3.4	-5.64	1.02E-06	3.84E-06
FAT3	-1.86	1.02E-06	3.85E-06
BID	0.77	1.03E-06	3.86E-06
RP5-884C9.3	-5.49	1.03E-06	3.86E-06
RP11-170M17.2	2.28	1.03E-06	3.87E-06
PLBD1	1.17	1.03E-06	3.87E-06
RP11-166B2.5	-5.57	1.03E-06	3.88E-06
RP5-1027G4.3	-2.43	1.04E-06	3.91E-06
ST13P10	-5.63	1.04E-06	3.91E-06
TPM3P1	-5.86	1.04E-06	3.92E-06
PALMD	-0.92	1.04E-06	3.93E-06
RNF144B	-0.76	1.05E-06	3.93E-06
HECTD2	-0.77	1.05E-06	3.94E-06
RP3-405J10.3	-2.16	1.05E-06	3.95E-06

AL591069.1	-3.04	1.05E-06	3.95E-06
FRMD6	-0.76	1.05E-06	3.95E-06
ELAC2	0.50	1.05E-06	3.95E-06
MIR103A1	-5.44	1.05E-06	3.95E-06
RP11-41O4.1	-2.95	1.05E-06	3.96E-06
KRT18P57	-5.22	1.06E-06	3.96E-06
ACTG1P14	-4.13	1.06E-06	3.97E-06
GAS8	0.95	1.06E-06	3.98E-06
RP11-90P5.1	-5.56	1.06E-06	3.98E-06
PNPLA5	-4.46	1.06E-06	3.98E-06
AIMP2	0.61	1.06E-06	3.98E-06
AC003958.2	-3.88	1.06E-06	3.99E-06
UFL1	-0.69	1.07E-06	4.02E-06
SEL1L	-0.68	1.08E-06	4.04E-06
USP6NL	-0.76	1.08E-06	4.06E-06
SRMP2	-5.58	1.08E-06	4.06E-06
RP11-718B12.5	-3.69	1.08E-06	4.07E-06
LINC01305	3.23	1.09E-06	4.07E-06
CRISPLD2	1.72	1.09E-06	4.07E-06
HSPA14	-0.44	1.09E-06	4.08E-06
RP11-49K24.5	-5.57	1.10E-06	4.11E-06
RP11-459F6.1	-5.41	1.10E-06	4.12E-06
RP1-12G14.6	-5.39	1.10E-06	4.12E-06
USP7	-0.48	1.10E-06	4.13E-06
MIR374B	-5.44	1.10E-06	4.13E-06
SRGAP2-AS1	-3.36	1.10E-06	4.14E-06
AK3P3	-2.20	1.11E-06	4.16E-06
AC019064.1	-3.22	1.11E-06	4.16E-06
KAZN	0.83	1.11E-06	4.17E-06
RP5-1057I20.6	-3.32	1.12E-06	4.18E-06
GAREM	-1.03	1.12E-06	4.19E-06
RP11-757G1.6	-1.39	1.12E-06	4.19E-06
RP11-158M2.3	-2.35	1.12E-06	4.19E-06
RP11-49O14.3	-5.78	1.12E-06	4.19E-06
CTD-2165H16.4	-1.44	1.12E-06	4.21E-06
LYRM4	0.75	1.13E-06	4.21E-06
CPE	1.80	1.13E-06	4.22E-06
NOC2L	0.69	1.13E-06	4.22E-06
VANGL2	0.93	1.13E-06	4.23E-06
AJ003147.11	-2.51	1.13E-06	4.23E-06
RP11-567F11.1	-3.38	1.13E-06	4.24E-06
RP11-52J3.2	-5.18	1.14E-06	4.25E-06
RP4-758J18.10	2.09	1.14E-06	4.25E-06
NEDD9	1.15	1.14E-06	4.26E-06
CHD7	-0.73	1.14E-06	4.27E-06

NLRP10	-1.96	1.15E-06	4.28E-06
RP11-437F6.1	-5.64	1.15E-06	4.29E-06
ZNF831	-2.11	1.15E-06	4.31E-06
RP11-1148L6.5	0.70	1.15E-06	4.31E-06
DAGLB	0.49	1.16E-06	4.32E-06
TRMT2A	0.91	1.16E-06	4.32E-06
EDRF1-AS1	-2.41	1.16E-06	4.33E-06
C2CD4C	2.58	1.16E-06	4.35E-06
CFAP20	0.59	1.17E-06	4.35E-06
MTRNR2L8	-2.10	1.17E-06	4.35E-06
RAB17	2.00	1.17E-06	4.37E-06
KIAA0196	-0.39	1.17E-06	4.37E-06
GRIA4	-1.73	1.17E-06	4.38E-06
ZMYM4	-0.50	1.18E-06	4.40E-06
AC000089.3	-3.22	1.18E-06	4.40E-06
HOXB8	4.04	1.18E-06	4.40E-06
AC003101.1	-5.13	1.18E-06	4.41E-06
CLDN23	-1.54	1.18E-06	4.41E-06
RPUSD3	0.57	1.18E-06	4.41E-06
RP11-172E10.1	-5.58	1.19E-06	4.42E-06
LINC00924	6.20	1.19E-06	4.42E-06
KIT	-1.04	1.19E-06	4.43E-06
PREPL	-0.99	1.19E-06	4.44E-06
CTB-113P19.1	-2.31	1.19E-06	4.44E-06
RP11-972P1.7	-2.01	1.20E-06	4.46E-06
CH17-262A2.1	-4.15	1.20E-06	4.46E-06
FOXK1	-0.77	1.20E-06	4.47E-06
RPL23AP63	-5.58	1.20E-06	4.47E-06
RPL23AP30	-5.28	1.20E-06	4.47E-06
SFRP1	2.13	1.20E-06	4.48E-06
HINT2	0.75	1.20E-06	4.48E-06
DPH6	-0.89	1.20E-06	4.48E-06
RP5-1086K13.1	-2.42	1.20E-06	4.48E-06
RP11-598F7.6	5.80	1.21E-06	4.49E-06
OR5P2	-5.77	1.21E-06	4.50E-06
FAM166B	-1.84	1.21E-06	4.50E-06
AL138706.1	-5.39	1.22E-06	4.54E-06
SLC9B2	0.82	1.22E-06	4.55E-06
RP11-27K13.3	-2.55	1.22E-06	4.55E-06
RP11-52I18.1	-4.50	1.22E-06	4.56E-06
MAPT-IT1	-5.36	1.23E-06	4.56E-06
RP11-144H23.2	-5.52	1.23E-06	4.56E-06
ODF2	0.68	1.23E-06	4.56E-06
RP11-48O20.5	-5.29	1.23E-06	4.57E-06
RP4-593M8.1	-5.38	1.23E-06	4.59E-06

NDOR1	1.08	1.23E-06	4.59E-06
RP11-685N10.1	-2.50	1.23E-06	4.59E-06
PHLDB3	0.71	1.24E-06	4.59E-06
HIST2H3C	-5.46	1.24E-06	4.60E-06
TMCO5A	-5.33	1.24E-06	4.62E-06
RP11-486O12.2	-1.83	1.25E-06	4.63E-06
PWAR6	-1.50	1.25E-06	4.64E-06
LL0XNC01-7P3.1	-1.53	1.25E-06	4.65E-06
SNORD14A	-2.24	1.25E-06	4.66E-06
NKAP	0.48	1.25E-06	4.66E-06
SH3BGR	1.42	1.25E-06	4.66E-06
RP11-106D4.2	-2.48	1.26E-06	4.66E-06
PDZD9	-2.93	1.26E-06	4.67E-06
RP11-795F19.1	-2.14	1.26E-06	4.68E-06
LXN	0.99	1.26E-06	4.68E-06
SFTPD	1.26	1.26E-06	4.68E-06
SLCO1A2	-5.67	1.26E-06	4.69E-06
STXBP3	-0.65	1.27E-06	4.71E-06
ZNF677	-0.89	1.27E-06	4.71E-06
RPSAP6	-5.76	1.27E-06	4.72E-06
CTD-2017F17.2	4.76	1.28E-06	4.73E-06
ZBTB26	-0.75	1.28E-06	4.73E-06
RIMS3	1.40	1.28E-06	4.74E-06
RP11-480I12.5	1.82	1.28E-06	4.74E-06
RP11-298I3.3	-4.28	1.29E-06	4.77E-06
ZNF10	-0.92	1.29E-06	4.78E-06
MAP4	0.54	1.29E-06	4.78E-06
ZNF226	-0.66	1.29E-06	4.78E-06
HS3ST4	4.43	1.30E-06	4.81E-06
RP11-575L7.4	-2.33	1.30E-06	4.82E-06
PRR34-AS1	-1.25	1.30E-06	4.82E-06
HACE1	-0.54	1.30E-06	4.82E-06
RP4-706A16.3	-1.36	1.30E-06	4.83E-06
PPIF	0.85	1.31E-06	4.83E-06
RUVBL1-AS1	-5.58	1.31E-06	4.85E-06
RERE	0.84	1.31E-06	4.85E-06
AB019441.29	-2.26	1.31E-06	4.85E-06
C19orf38	3.26	1.31E-06	4.87E-06
MRPS18A	0.72	1.32E-06	4.88E-06
SNORA9	-3.05	1.32E-06	4.89E-06
ING1	0.58	1.32E-06	4.89E-06
DERL1	0.44	1.32E-06	4.89E-06
COX6CP1	-3.86	1.33E-06	4.92E-06
DDX55	0.77	1.34E-06	4.94E-06
MALL	1.03	1.34E-06	4.95E-06

RP11-798G7.8	-3.41	1.34E-06	4.96E-06
RPEP3	-5.54	1.34E-06	4.96E-06
KNDC1	2.83	1.35E-06	4.99E-06
RP5-945I17.2	-5.65	1.35E-06	4.99E-06
PDF	1.29	1.35E-06	5.00E-06
NLRP3	2.39	1.35E-06	5.01E-06
MRPS15	0.60	1.36E-06	5.01E-06
OPLAH	0.91	1.36E-06	5.01E-06
GCNT2	-0.98	1.36E-06	5.01E-06
TSPEAR	-2.58	1.36E-06	5.02E-06
PGLYRP3	1.30	1.37E-06	5.05E-06
ZBTB48	0.89	1.37E-06	5.07E-06
RP11-799B12.2	-3.98	1.37E-06	5.07E-06
ACTA1	-3.46	1.37E-06	5.08E-06
CXCL17	2.83	1.38E-06	5.08E-06
PCDHB9	1.24	1.38E-06	5.09E-06
MAP3K14	0.92	1.38E-06	5.09E-06
RP11-158G18.1	-5.62	1.38E-06	5.10E-06
ZNF33BP1	-3.90	1.39E-06	5.11E-06
RP11-11C20.3	-2.78	1.39E-06	5.11E-06
HS3ST3A1	3.13	1.39E-06	5.12E-06
TUBB8P1	-3.34	1.39E-06	5.13E-06
TUSC5	6.51	1.39E-06	5.13E-06
MATN3	2.66	1.39E-06	5.14E-06
TANC2	-0.80	1.40E-06	5.15E-06
DGAT2	-1.28	1.40E-06	5.15E-06
RP4-575N6.4	3.24	1.40E-06	5.17E-06
AFAP1	1.61	1.41E-06	5.18E-06
PRPF40B	0.90	1.41E-06	5.18E-06
RNU6-1188P	-5.67	1.41E-06	5.19E-06
RP11-480I12.2	-3.91	1.41E-06	5.19E-06
RABEPK	0.67	1.41E-06	5.19E-06
RP11-479I16.2	-5.38	1.41E-06	5.20E-06
RP11-192H23.7	-5.48	1.41E-06	5.21E-06
ENOX1	1.89	1.42E-06	5.21E-06
QTRTD1	-0.48	1.42E-06	5.21E-06
SPSB1	0.80	1.43E-06	5.25E-06
ZBTB12	1.67	1.43E-06	5.27E-06
MAK	-1.90	1.43E-06	5.28E-06
SHF	1.02	1.43E-06	5.28E-06
CTB-31N19.3	-2.49	1.43E-06	5.28E-06
RYKP1	-3.02	1.44E-06	5.29E-06
CRAMP1	0.59	1.44E-06	5.29E-06
AC096574.4	-3.60	1.44E-06	5.29E-06
RP11-494K3.2	-5.49	1.45E-06	5.32E-06

RP11-613D13.8	3.91	1.45E-06	5.32E-06
LINC01481	-1.23	1.45E-06	5.32E-06
OR51E2	5.02	1.45E-06	5.32E-06
ACPP	-1.16	1.45E-06	5.34E-06
FAM76B	-0.66	1.45E-06	5.35E-06
PRSS22	2.15	1.46E-06	5.35E-06
RP11-299J3.6	-3.03	1.46E-06	5.35E-06
SCARNA4	-3.46	1.46E-06	5.36E-06
SNRPC	0.82	1.46E-06	5.36E-06
AC006042.8	-2.24	1.46E-06	5.36E-06
CHRM2	-5.87	1.47E-06	5.39E-06
TUBB2A	1.17	1.47E-06	5.39E-06
MTL5	1.24	1.47E-06	5.39E-06
GLA	0.81	1.47E-06	5.40E-06
PCDHB2	1.76	1.47E-06	5.40E-06
RGL1	1.00	1.47E-06	5.41E-06
RP4-681N20.5	-2.66	1.47E-06	5.41E-06
FGF14-AS2	1.26	1.48E-06	5.43E-06
SYK	0.57	1.48E-06	5.43E-06
ARMC9	1.24	1.48E-06	5.44E-06
CA15P1	-4.54	1.49E-06	5.46E-06
RP11-241J12.3	-5.59	1.49E-06	5.47E-06
DBT	-0.72	1.49E-06	5.47E-06
C7orf73	0.85	1.49E-06	5.47E-06
CTC-379B2.4	-5.29	1.49E-06	5.47E-06
MAZ	0.80	1.49E-06	5.48E-06
RP11-420A21.1	-5.74	1.49E-06	5.48E-06
RP11-386I14.3	-5.28	1.49E-06	5.48E-06
RP11-857B24.5	-2.48	1.50E-06	5.48E-06
VSIG10L	1.26	1.50E-06	5.49E-06
G35488	-1.92	1.50E-06	5.49E-06
AC018738.2	3.84	1.50E-06	5.50E-06
CNOT2	-0.49	1.50E-06	5.50E-06
HNRNPA1P68	-5.51	1.50E-06	5.50E-06
ZZEF1	-0.59	1.50E-06	5.51E-06
RP11-646I6.6	-5.37	1.50E-06	5.51E-06
PHKG1	-1.21	1.51E-06	5.53E-06
RTEL1P1	-2.64	1.51E-06	5.54E-06
AC108142.1	4.61	1.51E-06	5.54E-06
CFAP73	-1.85	1.51E-06	5.54E-06
COLCA2	2.74	1.52E-06	5.56E-06
MIR3648	-3.23	1.52E-06	5.57E-06
ZC3HC1	0.62	1.52E-06	5.58E-06
NONO	0.52	1.53E-06	5.58E-06
RP11-439L18.2	-2.13	1.53E-06	5.59E-06

RP11-39E3.3	-5.29	1.54E-06	5.62E-06
RP11-277L2.3	2.09	1.54E-06	5.63E-06
G34070	-6.90	1.54E-06	5.63E-06
SRI	0.72	1.54E-06	5.64E-06
L2HGDH	-0.73	1.54E-06	5.64E-06
XLOC_012011	-1.79	1.54E-06	5.64E-06
MUC6	-3.34	1.54E-06	5.64E-06
SYT1	-1.89	1.54E-06	5.65E-06
BLACAT1	2.52	1.55E-06	5.65E-06
RP11-164N3.2	-5.38	1.55E-06	5.66E-06
AIRN	-5.12	1.55E-06	5.67E-06
SPTY2D1	-0.56	1.56E-06	5.69E-06
RP11-295K2.3	-4.27	1.56E-06	5.72E-06
RP11-806H10.4	4.39	1.57E-06	5.72E-06
G24464	-3.47	1.57E-06	5.72E-06
CHRND	-3.96	1.57E-06	5.74E-06
SNORD116-18	-5.73	1.57E-06	5.74E-06
SLC2A1	1.19	1.57E-06	5.75E-06
RPE	-0.71	1.58E-06	5.75E-06
ELAVL4	-2.03	1.59E-06	5.79E-06
POC1A	1.06	1.59E-06	5.79E-06
CTD-2006C1.2	-1.27	1.59E-06	5.79E-06
BBS10	-0.82	1.59E-06	5.81E-06
SNORD3B-1	-2.56	1.59E-06	5.81E-06
DNAJB7	-4.41	1.59E-06	5.81E-06
TMEM72	-5.39	1.59E-06	5.81E-06
RP1-167F1.2	-1.84	1.59E-06	5.82E-06
LINC00987	1.91	1.60E-06	5.84E-06
TMEM171	1.63	1.60E-06	5.85E-06
ZNF485	-0.90	1.61E-06	5.85E-06
KB-431C1.5	-2.06	1.61E-06	5.86E-06
SLFNL1	-2.31	1.61E-06	5.86E-06
RP1-206D15.5	-4.00	1.61E-06	5.87E-06
AZGP1P1	1.95	1.61E-06	5.88E-06
XLOC_007628	-5.30	1.62E-06	5.89E-06
PCDHGB6	-0.85	1.62E-06	5.91E-06
RNU7-80P	-5.44	1.62E-06	5.91E-06
PAICSP1	-2.41	1.62E-06	5.91E-06
PARD6A	1.51	1.63E-06	5.93E-06
XBP1P1	-5.15	1.63E-06	5.93E-06
PATL1	0.80	1.63E-06	5.93E-06
RP11-337C18.9	-1.41	1.63E-06	5.94E-06
ZNF23	-1.33	1.63E-06	5.94E-06
GGT7	0.80	1.63E-06	5.94E-06
KLB	-1.15	1.63E-06	5.94E-06

AC007365.3	-2.41	1.63E-06	5.95E-06
CYP4B1	-2.14	1.64E-06	5.97E-06
TRO	1.68	1.64E-06	5.97E-06
GYPC	1.53	1.64E-06	5.97E-06
RP4-803J11.2	-5.69	1.64E-06	5.97E-06
RNU6-171P	-5.68	1.64E-06	5.97E-06
NRN1	1.41	1.64E-06	5.98E-06
RP11-338L22.2	-5.86	1.65E-06	5.99E-06
RP11-666F17.2	-5.61	1.65E-06	5.99E-06
QPRT	1.45	1.65E-06	6.01E-06
RNU1-124P	-5.27	1.65E-06	6.01E-06
GATA2	1.96	1.65E-06	6.01E-06
RP11-829H16.3	-3.62	1.65E-06	6.01E-06
RP11-467D18.2	-5.23	1.66E-06	6.04E-06
C9orf172	1.82	1.67E-06	6.06E-06
DOCK9-AS2	1.18	1.67E-06	6.06E-06
SNX1	0.31	1.67E-06	6.07E-06
RPS14P4	5.62	1.67E-06	6.07E-06
MBNL2	-0.73	1.69E-06	6.12E-06
CTD-2525I3.3	-4.23	1.69E-06	6.13E-06
RP11-123O10.4	-2.20	1.69E-06	6.13E-06
AC007279.2	-5.45	1.69E-06	6.14E-06
RP11-133M8.3	-5.64	1.69E-06	6.14E-06
CCKBR	-3.03	1.70E-06	6.17E-06
GOLGA8H	-2.07	1.70E-06	6.18E-06
EEF1B2P1	-5.68	1.70E-06	6.18E-06
KCTD11	0.91	1.70E-06	6.18E-06
ZNF275	1.25	1.70E-06	6.19E-06
ATAD3C	2.50	1.71E-06	6.20E-06
RWDD3	-1.32	1.71E-06	6.21E-06
RP11-413M3.4	-4.14	1.72E-06	6.23E-06
IL17D	-1.31	1.72E-06	6.23E-06
LINC00959	1.08	1.73E-06	6.26E-06
SEC62-AS1	-5.09	1.73E-06	6.26E-06
WDR3	-0.64	1.73E-06	6.27E-06
SPATA13-AS1	-5.47	1.73E-06	6.27E-06
RAP2C-AS1	-1.24	1.73E-06	6.28E-06
NDNF	-1.37	1.73E-06	6.28E-06
ALDH1B1	1.77	1.73E-06	6.29E-06
NDFIP1P1	-4.71	1.74E-06	6.30E-06
RP11-545G3.1	-5.53	1.74E-06	6.31E-06
RP11-456J20.1	-5.51	1.75E-06	6.33E-06
RPL12P15	-5.52	1.75E-06	6.33E-06
MT-TV	-6.33	1.75E-06	6.34E-06
LFNG	-0.89	1.75E-06	6.36E-06

RP11-158M2.2	-5.56	1.76E-06	6.38E-06
EPC1	-0.55	1.76E-06	6.38E-06
RP11-16P20.3	-5.33	1.76E-06	6.38E-06
ZNF134	-0.64	1.76E-06	6.38E-06
CTD-2649C14.2	-2.43	1.76E-06	6.39E-06
OR10AB1P	-6.00	1.77E-06	6.40E-06
DEDD	0.43	1.77E-06	6.40E-06
COL3A1	2.71	1.77E-06	6.42E-06
RAP1GAP	1.45	1.77E-06	6.42E-06
PLCB3	0.71	1.78E-06	6.43E-06
GBAP1	1.87	1.79E-06	6.46E-06
RP11-395G23.3	2.17	1.79E-06	6.47E-06
AC087163.2	-2.25	1.79E-06	6.47E-06
CDC27	-0.56	1.79E-06	6.48E-06
RP11-321A17.4	-5.50	1.79E-06	6.48E-06
AC079807.3	-5.12	1.79E-06	6.48E-06
FTSJ2	0.61	1.80E-06	6.49E-06
RP11-420K14.6	-4.43	1.80E-06	6.49E-06
XLOC_010736	4.30	1.80E-06	6.50E-06
XXyac-YRM2039.3	-2.44	1.80E-06	6.50E-06
IFT20	0.65	1.80E-06	6.50E-06
CASP4	0.60	1.80E-06	6.52E-06
CCR4	-2.51	1.80E-06	6.52E-06
AC010969.1	-2.04	1.80E-06	6.52E-06
NR2F1-AS1	3.01	1.81E-06	6.53E-06
USP49	-0.75	1.81E-06	6.55E-06
WDR6	1.04	1.82E-06	6.56E-06
RN7SKP9	-4.98	1.82E-06	6.56E-06
MIR26B	-5.24	1.82E-06	6.56E-06
AC005522.7	-5.13	1.83E-06	6.59E-06
RP11-254B13.4	-5.52	1.83E-06	6.59E-06
RP11-56B16.1	-3.63	1.83E-06	6.60E-06
TDGF1P6	-5.35	1.83E-06	6.60E-06
ASPHD1	3.11	1.83E-06	6.61E-06
RP11-483C6.1	-3.75	1.84E-06	6.62E-06
LINC01389	-2.60	1.84E-06	6.62E-06
AP001432.14	-2.20	1.84E-06	6.64E-06
KHDC1	-1.71	1.84E-06	6.64E-06
FGF13	2.54	1.84E-06	6.64E-06
RP11-142C4.4	-3.27	1.84E-06	6.65E-06
HERC2	-0.62	1.85E-06	6.66E-06
RP11-54O7.3	2.77	1.85E-06	6.67E-06
RP11-705O24.1	-4.57	1.85E-06	6.68E-06
ANXA2P2	-1.17	1.86E-06	6.69E-06
CRYBA1	-5.15	1.86E-06	6.69E-06

CAP2	1.49	1.86E-06	6.72E-06
TMEM110	-1.72	1.87E-06	6.72E-06
CTD-2368P22.1	-1.44	1.87E-06	6.73E-06
LYST-AS1	-5.39	1.87E-06	6.74E-06
RP11-178C3.6	-3.57	1.87E-06	6.74E-06
ATP8A2P2	-4.64	1.87E-06	6.74E-06
C1orf131	0.42	1.87E-06	6.74E-06
FOSL2	0.67	1.87E-06	6.74E-06
SLC10A7	-0.69	1.87E-06	6.75E-06
FAM95C	-2.71	1.88E-06	6.76E-06
B4GALT4-AS1	-5.21	1.88E-06	6.77E-06
G18874	-3.24	1.88E-06	6.78E-06
RP11-800A18.4	-5.11	1.88E-06	6.78E-06
RP11-348N5.7	-1.78	1.89E-06	6.79E-06
RP11-1174L13.2	-5.47	1.89E-06	6.80E-06
G36288	-2.47	1.89E-06	6.80E-06
RP11-782C8.2	-3.45	1.89E-06	6.82E-06
AC114812.9	-4.61	1.90E-06	6.83E-06
NFIA-AS2	3.80	1.91E-06	6.86E-06
CYB561D2	0.70	1.91E-06	6.86E-06
RP11-95G17.2	-5.28	1.91E-06	6.86E-06
GATB	0.86	1.91E-06	6.86E-06
MED27	0.67	1.91E-06	6.88E-06
NUMB	0.29	1.92E-06	6.89E-06
AC011406.2	-5.28	1.92E-06	6.89E-06
GAS1	1.19	1.92E-06	6.90E-06
MKL2	-0.81	1.93E-06	6.94E-06
G14609	-3.39	1.93E-06	6.95E-06
SNORD12C	-3.74	1.94E-06	6.96E-06
SNORA65	-2.19	1.94E-06	6.96E-06
ZNF207	-0.60	1.94E-06	6.96E-06
SLC33A1	-0.48	1.94E-06	6.97E-06
LPCAT4	1.03	1.96E-06	7.02E-06
IL18	-0.95	1.96E-06	7.02E-06
G14419	1.69	1.96E-06	7.04E-06
RND1	2.24	1.97E-06	7.05E-06
TRAPPC2	-0.61	1.97E-06	7.07E-06
ABHD1	-2.47	1.99E-06	7.13E-06
PCDHGC3	0.72	1.99E-06	7.14E-06
EPB41L4A-AS2	1.22	1.99E-06	7.16E-06
G5386	1.75	2.00E-06	7.16E-06
SNORD73	-5.38	2.00E-06	7.17E-06
CMTR2	-0.52	2.00E-06	7.18E-06
RPL21P32	-4.15	2.00E-06	7.18E-06
ZNF366	1.41	2.00E-06	7.18E-06

LINC00427	-5.94	2.00E-06	7.19E-06
G26054	2.79	2.02E-06	7.23E-06
LRRC59	0.77	2.02E-06	7.26E-06
COL4A6	-0.67	2.03E-06	7.27E-06
RP11-731D1.1	-3.51	2.03E-06	7.27E-06
VARS2	0.74	2.03E-06	7.28E-06
CTB-113P19.5	-1.37	2.03E-06	7.28E-06
MED17	-0.47	2.03E-06	7.28E-06
RP11-473O4.4	-5.33	2.03E-06	7.29E-06
AC139103.1	-5.35	2.04E-06	7.30E-06
CSRP2BP	-0.54	2.04E-06	7.31E-06
LINC00475	1.94	2.05E-06	7.33E-06
WDR41	-0.57	2.05E-06	7.34E-06
CCNH	-0.44	2.05E-06	7.35E-06
TTC4	-1.44	2.05E-06	7.35E-06
TRPV2	1.16	2.06E-06	7.37E-06
RP11-8L18.3	-5.68	2.06E-06	7.38E-06
MRPL18	0.81	2.06E-06	7.38E-06
VPS45	-0.49	2.06E-06	7.38E-06
RGL3	2.53	2.07E-06	7.39E-06
NOTCH3	1.00	2.07E-06	7.40E-06
IL37	-1.75	2.07E-06	7.42E-06
TCEAL4	0.99	2.08E-06	7.44E-06
RAB32	1.22	2.08E-06	7.44E-06
RP11-321N4.4	-5.20	2.08E-06	7.44E-06
TESC	2.71	2.08E-06	7.45E-06
AC026202.3	-3.40	2.09E-06	7.46E-06
RP11-697N18.1	-5.69	2.09E-06	7.46E-06
FADS6	1.37	2.09E-06	7.47E-06
MIR1262	-5.36	2.09E-06	7.47E-06
HTT	-0.64	2.09E-06	7.47E-06
LPP-AS1	-5.30	2.09E-06	7.48E-06
SF3B1	-0.48	2.10E-06	7.49E-06
NAV3	-0.96	2.10E-06	7.49E-06
TEX101	2.60	2.10E-06	7.49E-06
PCSK6	0.88	2.10E-06	7.50E-06
RN7SKP227	-5.76	2.11E-06	7.52E-06
DENND1B	-0.73	2.11E-06	7.53E-06
ZKSCAN7P1	-5.28	2.11E-06	7.54E-06
LILRA5	4.11	2.12E-06	7.58E-06
RP11-521B24.3	2.78	2.13E-06	7.59E-06
KIAA0141	0.54	2.13E-06	7.59E-06
RP4-535B20.1	-5.08	2.13E-06	7.59E-06
RP11-304F15.7	-4.21	2.13E-06	7.59E-06
SLC2A9	1.29	2.13E-06	7.60E-06

15-Sep	0.78	2.14E-06	7.63E-06
RP11-173G21.1	-5.62	2.14E-06	7.63E-06
ZNF555	-0.74	2.15E-06	7.66E-06
PTK6	0.84	2.15E-06	7.67E-06
CTB-107G13.1	-3.22	2.15E-06	7.67E-06
SERPINA10	-5.43	2.16E-06	7.68E-06
SLC25A3P2	-5.40	2.16E-06	7.70E-06
RP11-231D20.2	1.84	2.17E-06	7.72E-06
RP11-1109F11.3	-2.30	2.17E-06	7.75E-06
DEPDC1	-1.03	2.18E-06	7.76E-06
RP11-524O24.2	-5.25	2.18E-06	7.76E-06
MIR3174	-5.43	2.18E-06	7.78E-06
SPPL2B	1.32	2.19E-06	7.79E-06
RAB3GAP1	-0.48	2.19E-06	7.80E-06
RP11-295P9.2	-5.35	2.19E-06	7.80E-06
RP1-319M7.2	-5.33	2.19E-06	7.80E-06
MT1X	1.68	2.19E-06	7.80E-06
MGAM	-2.63	2.19E-06	7.80E-06
LINC00696	-4.14	2.20E-06	7.82E-06
CTC-428H11.2	-2.95	2.20E-06	7.85E-06
AC136289.1	-2.29	2.21E-06	7.87E-06
PRSS16	1.09	2.22E-06	7.89E-06
RP11-477J21.2	-5.43	2.22E-06	7.90E-06
MYL12A	0.76	2.22E-06	7.91E-06
RP1-184J9.2	-5.29	2.23E-06	7.93E-06
MIRLET7C	-5.21	2.23E-06	7.95E-06
SSH2	-0.70	2.24E-06	7.97E-06
TYSND1	0.67	2.24E-06	7.98E-06
CHAC1	3.01	2.25E-06	7.99E-06
ZBTB20	-1.19	2.25E-06	8.00E-06
NRG1	-1.11	2.25E-06	8.01E-06
LAGE3P1	-5.43	2.25E-06	8.02E-06
RP11-182M20.2	-5.39	2.26E-06	8.03E-06
RAB2B	-0.40	2.26E-06	8.04E-06
RP11-455J20.3	-3.41	2.27E-06	8.07E-06
PARP12	0.75	2.27E-06	8.07E-06
AC011742.3	-2.94	2.27E-06	8.08E-06
ENTPD3	1.03	2.29E-06	8.12E-06
TSC22D3	1.18	2.29E-06	8.14E-06
PRRG1	0.91	2.29E-06	8.15E-06
RP11-642D21.2	-5.25	2.30E-06	8.16E-06
TPI1P4	-5.69	2.30E-06	8.18E-06
HDAC8	0.48	2.30E-06	8.18E-06
RN7SL57P	-5.37	2.31E-06	8.19E-06
NAA15	-0.62	2.31E-06	8.19E-06

RP11-498M15.1	-3.34	2.31E-06	8.22E-06
MYB	-1.19	2.32E-06	8.23E-06
AIMP1P1	-4.49	2.32E-06	8.24E-06
BIN3	0.63	2.33E-06	8.25E-06
PTGS1	-0.69	2.33E-06	8.27E-06
RFX7	-0.59	2.34E-06	8.30E-06
BCKDHA	-3.27	2.34E-06	8.31E-06
CCR8	-3.35	2.34E-06	8.31E-06
C17orf82	4.33	2.34E-06	8.31E-06
LITAF	0.50	2.35E-06	8.34E-06
ZNF639	-0.54	2.36E-06	8.38E-06
SNX3	0.72	2.36E-06	8.38E-06
GLYR1	0.42	2.37E-06	8.39E-06
TATDN2P3	-2.70	2.38E-06	8.43E-06
ADAT2	-1.00	2.38E-06	8.44E-06
RP11-648O15.1	-5.29	2.38E-06	8.45E-06
DLEU1	-0.66	2.39E-06	8.46E-06
STK36	0.97	2.39E-06	8.48E-06
RP11-422P24.9	-5.44	2.40E-06	8.48E-06
ANKRD36	-1.57	2.40E-06	8.48E-06
GTF3C2-AS1	-2.69	2.40E-06	8.49E-06
RNU4-24P	-5.32	2.40E-06	8.50E-06
RP11-490B18.6	-2.12	2.40E-06	8.51E-06
G43312	-3.68	2.40E-06	8.51E-06
RP11-298J23.5	-5.30	2.41E-06	8.54E-06
PABPC1P1	-3.97	2.42E-06	8.56E-06
HEATR9	-5.48	2.42E-06	8.56E-06
RP11-30L15.6	-3.83	2.43E-06	8.60E-06
LIMS2	1.47	2.43E-06	8.60E-06
PCBD2	-0.58	2.44E-06	8.62E-06
RP11-535A19.2	-1.41	2.44E-06	8.62E-06
TOX2	2.38	2.44E-06	8.62E-06
HCG18	-0.84	2.44E-06	8.62E-06
RP5-890E16.2	-1.72	2.44E-06	8.63E-06
RPL12P29	-5.14	2.44E-06	8.63E-06
FAM98A	0.66	2.44E-06	8.63E-06
NPM1P29	-3.77	2.44E-06	8.63E-06
RN7SL577P	-5.41	2.44E-06	8.63E-06
BBS5	1.07	2.44E-06	8.63E-06
GORAB	0.59	2.45E-06	8.65E-06
SCARNA20	-2.71	2.45E-06	8.67E-06
AP000962.1	-3.68	2.46E-06	8.67E-06
SMURF2	-0.70	2.46E-06	8.69E-06
GLTSCR1L	-0.54	2.46E-06	8.70E-06
TRIB1	-0.57	2.47E-06	8.71E-06

EMX2	1.20	2.47E-06	8.74E-06
PRH2	-5.37	2.48E-06	8.74E-06
LILRB4	3.29	2.48E-06	8.77E-06
DNMT3B	0.80	2.49E-06	8.78E-06
FAM111B	-1.05	2.49E-06	8.78E-06
LMF1	0.81	2.49E-06	8.79E-06
CTD-2215E18.2	-5.51	2.49E-06	8.79E-06
G40138	-5.51	2.49E-06	8.80E-06
PIGB	-0.51	2.50E-06	8.81E-06
DYNC2LI1	-0.50	2.50E-06	8.83E-06
AC007563.1	-5.68	2.51E-06	8.84E-06
SNORD11	-5.20	2.51E-06	8.85E-06
KLK4	4.32	2.51E-06	8.85E-06
CEP78	-0.60	2.51E-06	8.85E-06
RP11-571F15.2	-5.18	2.51E-06	8.86E-06
RPL36AL	0.74	2.51E-06	8.86E-06
AC093788.1	-5.44	2.51E-06	8.87E-06
RP1-7G5.5	-2.61	2.52E-06	8.88E-06
ARMC6	0.80	2.52E-06	8.90E-06
CYCSP2	-5.35	2.52E-06	8.90E-06
AC108066.1	-5.60	2.53E-06	8.91E-06
EIF3J	0.67	2.53E-06	8.92E-06
FAM160A2	0.67	2.54E-06	8.94E-06
GFAP	2.97	2.54E-06	8.94E-06
IFNLR1	-0.89	2.54E-06	8.94E-06
RP11-343N15.5	-0.84	2.56E-06	9.03E-06
G40298	-1.68	2.57E-06	9.07E-06
AC093690.1	-2.63	2.58E-06	9.10E-06
GSTM3	-1.32	2.59E-06	9.12E-06
CCDC138	-0.59	2.59E-06	9.13E-06
NDUFB4P2	-5.54	2.60E-06	9.14E-06
RP11-517M22.1	-5.29	2.60E-06	9.15E-06
CTC-463A16.1	1.23	2.60E-06	9.16E-06
PDE6C	-2.12	2.60E-06	9.16E-06
RP11-63K6.1	-5.16	2.60E-06	9.16E-06
BNIP3P40	-4.92	2.61E-06	9.17E-06
UBFD1	0.38	2.61E-06	9.17E-06
SNORA2B	-5.34	2.61E-06	9.17E-06
DDI2	-0.57	2.61E-06	9.19E-06
RPL17P11	-5.76	2.62E-06	9.21E-06
IL10RA	1.66	2.63E-06	9.24E-06
RP11-182I10.2	-5.31	2.64E-06	9.29E-06
ADORA1	2.93	2.64E-06	9.29E-06
TATDN1P1	-3.88	2.64E-06	9.29E-06
RNA5SP123	-5.20	2.65E-06	9.31E-06

LCP2	1.80	2.65E-06	9.31E-06
TREM1	3.52	2.66E-06	9.34E-06
FHOD3	-1.13	2.66E-06	9.36E-06
LIN9	-0.72	2.67E-06	9.37E-06
BACH1-AS1	-3.03	2.67E-06	9.38E-06
RGAG4	1.56	2.67E-06	9.39E-06
KLF4P1	-5.28	2.68E-06	9.40E-06
TRIO	-0.46	2.68E-06	9.41E-06
SMC5-AS1	-2.08	2.69E-06	9.43E-06
RP4-631H13.6	-2.40	2.69E-06	9.44E-06
NDUFS8	0.61	2.69E-06	9.45E-06
RP11-277I20.3	-5.55	2.69E-06	9.46E-06
KLHL24	-0.78	2.70E-06	9.46E-06
WDR89	-0.78	2.70E-06	9.46E-06
UBAP1L	-1.64	2.70E-06	9.46E-06
RNF152	-1.02	2.71E-06	9.51E-06
AC010900.2	-5.31	2.72E-06	9.53E-06
RP11-703I16.3	2.31	2.72E-06	9.54E-06
RP11-278A23.2	-5.48	2.72E-06	9.54E-06
BCS1L	0.84	2.73E-06	9.57E-06
AC073635.5	-2.47	2.73E-06	9.58E-06
GPR85	2.14	2.73E-06	9.58E-06
SCNN1G	1.55	2.73E-06	9.58E-06
WDR74	0.68	2.74E-06	9.59E-06
ZFP28	-0.85	2.74E-06	9.61E-06
CYCSP52	-4.98	2.75E-06	9.63E-06
ZNF629	0.38	2.75E-06	9.64E-06
PIGHP1	-2.06	2.76E-06	9.66E-06
PAK1	0.62	2.76E-06	9.66E-06
GDPD2	-1.10	2.76E-06	9.68E-06
PSMB7	0.74	2.77E-06	9.69E-06
TUBG1P	-3.38	2.77E-06	9.69E-06
RP1-315G1.1	-5.13	2.77E-06	9.70E-06
RP1-145M24.1	-5.16	2.78E-06	9.72E-06
ARF1P2	-5.71	2.78E-06	9.73E-06
C20orf24	0.93	2.79E-06	9.77E-06
KNOP1P2	-4.05	2.79E-06	9.78E-06
FGFR1OP2	-0.50	2.80E-06	9.78E-06
RP5-1092A11.2	-5.41	2.80E-06	9.79E-06
ZMIZ1	0.84	2.80E-06	9.80E-06
ARIH2OS	1.13	2.81E-06	9.82E-06
RP11-415J8.7	-3.63	2.81E-06	9.83E-06
AP001350.4	-1.98	2.82E-06	9.85E-06
EIF2S2	0.67	2.82E-06	9.86E-06
TAS2R50	-5.34	2.83E-06	9.89E-06

MCUR1	-0.72	2.83E-06	9.90E-06
HMGB3P9	-5.13	2.83E-06	9.90E-06
MIR181A1HG	-3.47	2.85E-06	9.95E-06
RP11-173A8.2	-3.00	2.85E-06	9.96E-06
GLT8D2	1.87	2.85E-06	9.97E-06
ZNF530	-0.72	2.86E-06	9.98E-06
PRRT4	2.20	2.86E-06	9.98E-06
RNU6ATAC7P	-5.19	2.86E-06	1.00E-05
G38112	-2.83	2.86E-06	1.00E-05
TJP1	-0.60	2.86E-06	1.00E-05
AC137590.1	-5.31	2.87E-06	1.00E-05
BRD3	0.69	2.87E-06	1.00E-05
P2RY13	-1.55	2.87E-06	1.00E-05
PRR12	1.57	2.88E-06	1.01E-05
DUSP12	0.55	2.88E-06	1.01E-05
AC064850.4	-5.49	2.89E-06	1.01E-05
CARS-AS1	-3.79	2.89E-06	1.01E-05
HSCB	0.78	2.90E-06	1.01E-05
RNF213	-0.67	2.90E-06	1.01E-05
LINC01003	0.82	2.90E-06	1.01E-05
BRPF1	0.47	2.91E-06	1.01E-05
RP11-1260E13.4	1.36	2.91E-06	1.02E-05
ZDHHC9	-0.60	2.91E-06	1.02E-05
SNORA59A	-2.10	2.92E-06	1.02E-05
XLOC_008072	-0.97	2.92E-06	1.02E-05
NADK	0.69	2.92E-06	1.02E-05
JAM3	1.13	2.93E-06	1.02E-05
RP11-152H18.4	-4.29	2.93E-06	1.02E-05
RNU6-33P	-4.97	2.94E-06	1.02E-05
PRELID3A	2.06	2.95E-06	1.03E-05
IVD	1.33	2.95E-06	1.03E-05
RP11-573M3.3	-3.67	2.95E-06	1.03E-05
FOLR1	3.36	2.96E-06	1.03E-05
SUSD5	-1.41	2.96E-06	1.03E-05
ANKRD18EP	-1.06	2.96E-06	1.03E-05
CCPG1	-0.57	2.97E-06	1.03E-05
RBM48	-0.45	2.97E-06	1.03E-05
DEF6	0.69	2.97E-06	1.03E-05
KIAA1143	-0.62	2.98E-06	1.04E-05
RPRD1A	-0.64	2.98E-06	1.04E-05
RFWD3	-0.56	2.99E-06	1.04E-05
RNF38	-0.53	2.99E-06	1.04E-05
RP11-456P18.2	-3.04	2.99E-06	1.04E-05
TOPORS	-0.62	3.00E-06	1.04E-05
LINC00649	-1.60	3.00E-06	1.04E-05

RP4-591B8.2	-5.19	3.00E-06	1.04E-05
SENP8	-0.95	3.01E-06	1.05E-05
RP11-182L21.5	-3.20	3.01E-06	1.05E-05
CSPG4	1.38	3.01E-06	1.05E-05
RPSAP16	-3.74	3.02E-06	1.05E-05
CTD-2308G16.1	-5.12	3.02E-06	1.05E-05
GLRX3P2	-5.49	3.02E-06	1.05E-05
HSPA12A	-0.75	3.02E-06	1.05E-05
REPS1	-0.51	3.02E-06	1.05E-05
ZNF541	1.80	3.03E-06	1.05E-05
FAM178B	1.90	3.03E-06	1.05E-05
ZNF532	0.81	3.03E-06	1.05E-05
E2F2	-0.82	3.03E-06	1.05E-05
RP11-192M23.1	-2.58	3.04E-06	1.05E-05
SNORA55	-4.10	3.04E-06	1.06E-05
RP11-131L12.3	-1.89	3.04E-06	1.06E-05
MYL6BP1	-5.29	3.05E-06	1.06E-05
PSG6	-5.59	3.05E-06	1.06E-05
VPS36	-0.77	3.06E-06	1.06E-05
KCTD9P4	-5.33	3.06E-06	1.06E-05
CTC-459F4.3	-0.79	3.06E-06	1.06E-05
SAP30	0.79	3.07E-06	1.07E-05
CTD-2516F10.4	-4.45	3.07E-06	1.07E-05
RNU6ATAC16P	-5.40	3.07E-06	1.07E-05
NLRP3P	-2.49	3.08E-06	1.07E-05
RP3-399L15.3	-1.82	3.08E-06	1.07E-05
HMGB2	0.89	3.09E-06	1.07E-05
TTC25	1.83	3.09E-06	1.07E-05
RP11-619J20.1	-3.91	3.09E-06	1.07E-05
AMPH	1.95	3.10E-06	1.08E-05
TLK1	-0.66	3.11E-06	1.08E-05
RN7SKP64	-5.23	3.11E-06	1.08E-05
G31689	-2.14	3.11E-06	1.08E-05
RP11-452L6.1	-1.01	3.11E-06	1.08E-05
GALNT14	1.42	3.11E-06	1.08E-05
MTND4P14	-5.62	3.11E-06	1.08E-05
RP11-430L17.1	-4.18	3.12E-06	1.08E-05
GPR63	-1.94	3.12E-06	1.08E-05
RP11-474I11.7	-4.21	3.12E-06	1.08E-05
RP11-723D22.2	-5.19	3.13E-06	1.08E-05
RP11-722E23.2	-1.02	3.14E-06	1.09E-05
SMYD3	1.20	3.14E-06	1.09E-05
RP11-191A15.2	-5.28	3.14E-06	1.09E-05
XLOC_010695	-3.28	3.15E-06	1.09E-05
RP11-215P8.3	-1.84	3.15E-06	1.09E-05

PDCD4-AS1	1.67	3.17E-06	1.10E-05
AC115115.3	-5.10	3.17E-06	1.10E-05
SEC14L5	-1.09	3.17E-06	1.10E-05
TPGS2	0.50	3.17E-06	1.10E-05
CDY4P	-5.57	3.18E-06	1.10E-05
CELF2-AS2	-5.27	3.19E-06	1.10E-05
ABCA7	0.97	3.19E-06	1.10E-05
RWDD1	0.55	3.20E-06	1.11E-05
HBEGF	1.24	3.20E-06	1.11E-05
POMP	0.76	3.20E-06	1.11E-05
KB-1460A1.5	-1.20	3.21E-06	1.11E-05
CCDC159	1.10	3.21E-06	1.11E-05
RP11-354P11.3	-3.83	3.21E-06	1.11E-05
KB-1410C5.2	-5.28	3.22E-06	1.11E-05
PCDHGC4	-1.87	3.22E-06	1.11E-05
AC022173.2	-5.23	3.22E-06	1.11E-05
CDSN	-2.38	3.22E-06	1.11E-05
APOBEC3G	1.55	3.24E-06	1.12E-05
STK26	-1.08	3.24E-06	1.12E-05
MTND2P11	-5.21	3.25E-06	1.12E-05
BCL9L	1.18	3.25E-06	1.12E-05
RP11-74D7.1	-5.42	3.25E-06	1.12E-05
CSF2RB	1.09	3.26E-06	1.12E-05
SOS1-IT1	-2.12	3.26E-06	1.12E-05
PARVB	1.35	3.26E-06	1.12E-05
U2SURP	-0.63	3.26E-06	1.13E-05
TRIP4	0.52	3.27E-06	1.13E-05
NOL4L	1.09	3.27E-06	1.13E-05
PLA2G2A	3.54	3.27E-06	1.13E-05
CTD-2647L4.1	-5.34	3.28E-06	1.13E-05
C9orf41-AS1	-2.15	3.28E-06	1.13E-05
RN7SKP35	-5.39	3.29E-06	1.13E-05
TENM2	0.81	3.29E-06	1.13E-05
CD34	1.51	3.30E-06	1.14E-05
PRR34	-1.44	3.31E-06	1.14E-05
HNRNPA1P59	-5.13	3.32E-06	1.15E-05
RPL7AP2	-4.26	3.33E-06	1.15E-05
STAT5B	0.37	3.33E-06	1.15E-05
MIR566	-5.17	3.34E-06	1.15E-05
RP11-793A3.2	-2.50	3.35E-06	1.15E-05
CCND2	-0.80	3.37E-06	1.16E-05
AL139080.1	-5.28	3.38E-06	1.16E-05
UBE2E2	0.94	3.38E-06	1.16E-05
AC004837.5	-3.22	3.39E-06	1.17E-05
CTD-2213F21.2	-2.07	3.40E-06	1.17E-05

ZNRF3-AS1	-4.06	3.40E-06	1.17E-05
DMKN	0.98	3.41E-06	1.17E-05
SERPIND1	-2.53	3.42E-06	1.18E-05
COX7A2L	0.67	3.42E-06	1.18E-05
RP11-571F15.3	-5.21	3.43E-06	1.18E-05
TNS4	1.16	3.44E-06	1.18E-05
CTD-2385L22.2	-2.61	3.44E-06	1.19E-05
HLA-C	1.62	3.44E-06	1.19E-05
RP11-344A16.2	-5.26	3.46E-06	1.19E-05
RP11-73K9.3	-2.00	3.46E-06	1.19E-05
RP11-658F2.8	-0.93	3.46E-06	1.19E-05
C1orf21	-0.54	3.46E-06	1.19E-05
RASL10B	2.60	3.46E-06	1.19E-05
AC109826.1	4.88	3.47E-06	1.19E-05
RP5-981O7.2	-3.02	3.48E-06	1.20E-05
PKD1P6	0.97	3.48E-06	1.20E-05
XLOC_011805	-5.13	3.50E-06	1.20E-05
VCP	0.51	3.50E-06	1.20E-05
AC079949.1	4.15	3.50E-06	1.20E-05
CIPC	-0.56	3.51E-06	1.21E-05
RHCE	1.51	3.52E-06	1.21E-05
PIEZO1	0.84	3.53E-06	1.21E-05
MEP1B	-3.98	3.53E-06	1.21E-05
CILP2	3.38	3.54E-06	1.22E-05
C3orf18	1.56	3.55E-06	1.22E-05
MYLPF	2.25	3.55E-06	1.22E-05
PER1	1.91	3.55E-06	1.22E-05
XLOC_007999	-5.11	3.55E-06	1.22E-05
NCK1-AS1	1.13	3.56E-06	1.22E-05
RP11-348N5.9	-2.67	3.56E-06	1.22E-05
RP11-408O19.5	-2.45	3.57E-06	1.22E-05
CTD-3247F14.2	-1.72	3.57E-06	1.23E-05
HNRNPA1P35	-2.88	3.57E-06	1.23E-05
NPL	1.36	3.58E-06	1.23E-05
REV1	-0.47	3.58E-06	1.23E-05
RPL5P23	-3.50	3.58E-06	1.23E-05
RP4-597J3.1	-5.24	3.59E-06	1.23E-05
RP1-60N8.1	-5.33	3.59E-06	1.23E-05
MAGT1	-0.62	3.59E-06	1.23E-05
RP11-78I14.1	-5.03	3.61E-06	1.24E-05
HACD3	-0.60	3.61E-06	1.24E-05
RP5-875H18.10	-5.55	3.62E-06	1.24E-05
PSMD2	0.60	3.62E-06	1.24E-05
SRCAP	-1.03	3.63E-06	1.25E-05
INTS8	-0.58	3.63E-06	1.25E-05

SYNJ2BP	-0.61	3.63E-06	1.25E-05
KRT16P1	4.85	3.64E-06	1.25E-05
RP11-159D12.2	-1.66	3.64E-06	1.25E-05
GNA14	1.48	3.65E-06	1.25E-05
SFSWAP	0.58	3.66E-06	1.25E-05
RNU6-140P	4.15	3.67E-06	1.26E-05
CTD-3193O13.12	-2.78	3.68E-06	1.26E-05
FZD9	1.84	3.70E-06	1.27E-05
Metazoa_SRP	-2.41	3.70E-06	1.27E-05
IFNGR1	0.69	3.70E-06	1.27E-05
MLIP-AS1	-3.19	3.72E-06	1.28E-05
C2CD3	-0.62	3.73E-06	1.28E-05
RP5-1142A6.8	-2.96	3.73E-06	1.28E-05
G5143	-2.63	3.74E-06	1.28E-05
PEX26	-0.45	3.76E-06	1.29E-05
RP11-95J11.1	-5.28	3.76E-06	1.29E-05
SNORA59B	-5.12	3.76E-06	1.29E-05
CTD-2152M20.2	-2.46	3.76E-06	1.29E-05
RBBP6	0.61	3.76E-06	1.29E-05
RP3-403L10.3	-4.97	3.77E-06	1.29E-05
S100A12	5.53	3.78E-06	1.29E-05
PRG4	-3.38	3.78E-06	1.29E-05
CTC-329H14.1	-5.15	3.79E-06	1.29E-05
UBA52P8	-2.81	3.79E-06	1.30E-05
DPYS	4.98	3.80E-06	1.30E-05
MORN4	0.97	3.80E-06	1.30E-05
RP11-466F5.4	-5.31	3.81E-06	1.30E-05
G12163	-1.84	3.82E-06	1.31E-05
IL20	3.67	3.83E-06	1.31E-05
RP11-211G3.2	-1.31	3.84E-06	1.31E-05
THRB-IT1	-2.63	3.85E-06	1.31E-05
CXCL13	8.34	3.86E-06	1.32E-05
RP11-691H4.4	-5.53	3.88E-06	1.32E-05
RP3-329E20.2	-5.19	3.88E-06	1.33E-05
HTR2A	2.78	3.88E-06	1.33E-05
RP11-288H12.3	-1.30	3.89E-06	1.33E-05
CTC-360J11.4	-5.13	3.89E-06	1.33E-05
YBX1P3	-5.22	3.90E-06	1.33E-05
RP11-390B4.3	-4.23	3.90E-06	1.33E-05
PTCHD1	-3.00	3.90E-06	1.33E-05
RP11-560O20.1	-5.32	3.91E-06	1.33E-05
SLC5A2	-2.65	3.91E-06	1.33E-05
SNX12	0.56	3.91E-06	1.33E-05
RP11-863H1.1	-2.76	3.92E-06	1.34E-05
PHLDB1	0.97	3.92E-06	1.34E-05

TAS2R12	-5.32	3.93E-06	1.34E-05
ERGIC1	0.46	3.93E-06	1.34E-05
RP11-383G10.3	-5.50	3.93E-06	1.34E-05
RP11-227G15.11	-2.28	3.94E-06	1.34E-05
NPM1P25	1.41	3.94E-06	1.34E-05
XLOC_011429	-5.23	3.94E-06	1.34E-05
KIAA0226L	2.28	3.94E-06	1.34E-05
MRPL20	0.54	3.95E-06	1.35E-05
ARHGEF3	0.55	3.95E-06	1.35E-05
CARS	0.55	3.96E-06	1.35E-05
RP11-513O13.1	3.15	3.97E-06	1.35E-05
VN1R42P	-4.77	3.98E-06	1.36E-05
STT3A-AS1	-5.05	3.98E-06	1.36E-05
RP11-191A15.1	-5.44	3.99E-06	1.36E-05
ADRA2B	2.08	3.99E-06	1.36E-05
SORL1	-1.03	4.00E-06	1.36E-05
RP11-556O9.4	-5.25	4.00E-06	1.36E-05
RP11-466A19.5	-5.30	4.02E-06	1.37E-05
GHRLOS	-2.27	4.03E-06	1.37E-05
WNT5B	1.23	4.03E-06	1.37E-05
ATMIN	-0.66	4.03E-06	1.37E-05
RP11-635N19.3	-1.76	4.03E-06	1.37E-05
TNFRSF12A	1.75	4.03E-06	1.37E-05
CTD-2315M5.2	-5.34	4.04E-06	1.38E-05
AARS	0.74	4.05E-06	1.38E-05
NOMO2	0.63	4.05E-06	1.38E-05
RP1-118J21.5	-4.09	4.05E-06	1.38E-05
TMEM70	0.65	4.06E-06	1.38E-05
G16985	-3.79	4.07E-06	1.38E-05
SNORD58	-5.01	4.07E-06	1.38E-05
STOX2	-0.76	4.08E-06	1.39E-05
C1orf162	1.50	4.08E-06	1.39E-05
UFSP2	-0.55	4.09E-06	1.39E-05
RRAS2	0.59	4.09E-06	1.39E-05
GFM1	-0.52	4.10E-06	1.40E-05
FANCG	0.81	4.11E-06	1.40E-05
AP000925.2	-4.39	4.12E-06	1.40E-05
SNORD111B	-5.16	4.12E-06	1.40E-05
LILRA1	3.55	4.12E-06	1.40E-05
RP11-177A2.5	-5.29	4.14E-06	1.41E-05
CTD-2013N24.2	-1.59	4.14E-06	1.41E-05
PCK2	0.75	4.15E-06	1.41E-05
LVRN	-2.16	4.15E-06	1.41E-05
CTD-3154N5.1	-5.20	4.15E-06	1.41E-05
MKNK1-AS1	-2.26	4.16E-06	1.41E-05

GPR52	-5.25	4.17E-06	1.42E-05
JAM2	1.17	4.18E-06	1.42E-05
EDEM3	-0.57	4.18E-06	1.42E-05
RP11-179A7.2	-5.30	4.18E-06	1.42E-05
AIG1	0.54	4.19E-06	1.42E-05
CASP7	0.76	4.19E-06	1.42E-05
MICB	1.90	4.21E-06	1.43E-05
BMS1P4	-1.61	4.21E-06	1.43E-05
RP5-890E16.5	-1.63	4.21E-06	1.43E-05
TBC1D7	0.50	4.21E-06	1.43E-05
KLHL6	1.77	4.21E-06	1.43E-05
RP5-1065J22.4	-3.71	4.21E-06	1.43E-05
PARD3	-0.86	4.22E-06	1.43E-05
FOLR2	2.80	4.22E-06	1.43E-05
RP11-12A16.3	-5.46	4.23E-06	1.44E-05
RP3-425P12.4	-2.79	4.23E-06	1.44E-05
RP11-83B20.2	-5.19	4.24E-06	1.44E-05
DSC3	-0.84	4.24E-06	1.44E-05
RPS15AP10	-1.94	4.25E-06	1.44E-05
BBS7	-0.77	4.25E-06	1.44E-05
RP11-1102P22.2	-4.45	4.25E-06	1.44E-05
DNAJC25	0.65	4.26E-06	1.44E-05
SCLT1	-0.58	4.27E-06	1.45E-05
HOXC11	2.38	4.28E-06	1.45E-05
LL22NC03-N14H11.1	6.33	4.30E-06	1.46E-05
RNPEP	0.52	4.30E-06	1.46E-05
MB21D2	-0.77	4.31E-06	1.46E-05
RP11-81A1.4	-5.53	4.32E-06	1.46E-05
EPHA4	-0.66	4.33E-06	1.46E-05
RP11-83J16.1	-3.47	4.33E-06	1.46E-05
LARP4P	-2.54	4.33E-06	1.47E-05
SMAD1-AS1	-5.31	4.36E-06	1.48E-05
SMARCA5	-0.53	4.36E-06	1.48E-05
RNU6-676P	-5.40	4.36E-06	1.48E-05
RP11-84A19.4	-4.02	4.37E-06	1.48E-05
RP11-876N24.5	-1.34	4.37E-06	1.48E-05
RP11-77P6.2	-1.24	4.38E-06	1.48E-05
CD37	1.70	4.38E-06	1.48E-05
GIMAP2	1.47	4.39E-06	1.48E-05
DBP	1.43	4.39E-06	1.49E-05
RBBP8NL	1.18	4.41E-06	1.49E-05
G31075	-3.30	4.41E-06	1.49E-05
VWA2	-1.02	4.41E-06	1.49E-05
RP11-1060J15.3	-5.39	4.42E-06	1.49E-05
ASXL1	0.51	4.42E-06	1.50E-05

AL596137.1	-5.33	4.43E-06	1.50E-05
RP11-1299A16.3	-1.32	4.46E-06	1.51E-05
AC114812.10	-4.71	4.47E-06	1.51E-05
SHC4	2.10	4.47E-06	1.51E-05
XLOC_005024	-4.56	4.50E-06	1.52E-05
RNF141	-0.71	4.51E-06	1.52E-05
CTD-2066L21.3	-3.24	4.52E-06	1.53E-05
MRRF	-0.42	4.54E-06	1.53E-05
PLCD4	1.12	4.57E-06	1.54E-05
RP11-573N10.1	-5.20	4.58E-06	1.55E-05
RP11-494M8.1	-5.49	4.58E-06	1.55E-05
RP11-203H19.2	-5.22	4.59E-06	1.55E-05
CYP27A1	1.42	4.59E-06	1.55E-05
ITGA10	2.14	4.60E-06	1.55E-05
RP11-732A21.3	2.11	4.60E-06	1.55E-05
RP3-467L1.6	-2.51	4.60E-06	1.55E-05
IFI27	3.18	4.61E-06	1.55E-05
RP11-813F20.4	-5.00	4.61E-06	1.56E-05
CDC42P5	-5.21	4.63E-06	1.56E-05
RIMKLBP1	-4.83	4.64E-06	1.56E-05
MCCC1	-0.75	4.64E-06	1.56E-05
SPTY2D1-AS1	-1.28	4.64E-06	1.56E-05
PINX1	0.88	4.64E-06	1.56E-05
OPRL1	2.01	4.64E-06	1.56E-05
BMPR1APS1	-5.03	4.64E-06	1.56E-05
PTPRA	0.38	4.65E-06	1.57E-05
RP11-317P15.4	3.91	4.66E-06	1.57E-05
TMEM127	0.57	4.66E-06	1.57E-05
MIR3676	-5.02	4.67E-06	1.57E-05
MIR3175	-5.04	4.67E-06	1.57E-05
PPP1R1A	4.66	4.69E-06	1.58E-05
RP5-1057I20.5	-5.40	4.69E-06	1.58E-05
AF212831.2	-5.97	4.71E-06	1.59E-05
DLGAP4-AS1	-2.05	4.71E-06	1.59E-05
RPL13P6	-4.98	4.72E-06	1.59E-05
TMIGD3	3.20	4.73E-06	1.59E-05
RP11-162A12.3	-2.34	4.73E-06	1.59E-05
RP1-261D10.2	-1.27	4.76E-06	1.60E-05
SPRR2G	3.37	4.77E-06	1.61E-05
AC006159.5	-4.24	4.78E-06	1.61E-05
WNT4	-1.40	4.78E-06	1.61E-05
RP4-614O4.11	-2.03	4.79E-06	1.61E-05
ZFYVE1	0.45	4.80E-06	1.61E-05
RHOBTB3	-1.10	4.80E-06	1.61E-05
XK	-1.23	4.80E-06	1.61E-05

CTA-292E10.8	-2.50	4.80E-06	1.62E-05
HAUS8	0.93	4.81E-06	1.62E-05
GYG1	0.86	4.81E-06	1.62E-05
FBXL16	1.12	4.82E-06	1.62E-05
RP11-702F3.1	-4.98	4.83E-06	1.62E-05
RP11-777F6.3	-2.48	4.83E-06	1.62E-05
AOC1	2.25	4.84E-06	1.63E-05
TMEM74	-1.70	4.84E-06	1.63E-05
G5142	-1.67	4.85E-06	1.63E-05
MEG8	-2.81	4.85E-06	1.63E-05
CTB-176F20.3	-1.77	4.87E-06	1.64E-05
RP11-324I22.4	-1.32	4.87E-06	1.64E-05
ERCC3	0.33	4.89E-06	1.64E-05
FGF14-IT1	-4.97	4.90E-06	1.65E-05
RP11-203L2.3	-5.01	4.91E-06	1.65E-05
MMP25-AS1	1.94	4.92E-06	1.65E-05
RP11-396C23.4	-2.96	4.92E-06	1.65E-05
AF064858.11	-2.47	4.93E-06	1.65E-05
NRP1	1.40	4.94E-06	1.66E-05
CLTCL1	0.81	4.95E-06	1.66E-05
RN7SL413P	-4.87	4.95E-06	1.66E-05
RP11-35J10.4	-5.67	4.95E-06	1.66E-05
DNAJC30	0.72	4.98E-06	1.67E-05
CLDN2	-2.07	4.99E-06	1.67E-05
RP11-367J11.2	-2.46	4.99E-06	1.67E-05
ZEB2-AS1	-3.20	4.99E-06	1.67E-05
SDS	2.91	5.00E-06	1.68E-05
LCN2	2.80	5.01E-06	1.68E-05
SNRPA1	0.69	5.03E-06	1.69E-05
TMEM200A	1.83	5.04E-06	1.69E-05
AC005351.1	-5.08	5.05E-06	1.69E-05
RP11-665C16.5	-5.41	5.05E-06	1.69E-05
MXRA7	1.24	5.05E-06	1.69E-05
RP11-77K12.3	-4.96	5.06E-06	1.70E-05
CTD-2547G23.4	-1.43	5.06E-06	1.70E-05
RPL9P30	-5.22	5.07E-06	1.70E-05
CTD-2542L18.1	-5.14	5.09E-06	1.71E-05
MED11	0.68	5.10E-06	1.71E-05
RP1-97G4.1	-5.33	5.10E-06	1.71E-05
XLOC_013542	5.46	5.11E-06	1.71E-05
PPP4R3A	-0.48	5.11E-06	1.71E-05
MFN1	-0.61	5.11E-06	1.71E-05
LRRC37A	-1.57	5.12E-06	1.71E-05
XLOC_005369	-2.99	5.12E-06	1.72E-05
VCL	0.55	5.12E-06	1.72E-05

ACR	3.59	5.12E-06	1.72E-05
AOAH	2.19	5.14E-06	1.72E-05
IGHGP	6.34	5.14E-06	1.72E-05
KCTD6	-0.63	5.15E-06	1.72E-05
GLTSCR1-AS1	-5.18	5.15E-06	1.72E-05
RNU6-83P	-5.33	5.16E-06	1.73E-05
RPL37P2	3.10	5.17E-06	1.73E-05
RP11-268P4.6	-5.07	5.18E-06	1.73E-05
TFG	0.41	5.18E-06	1.73E-05
SH3BP5L	0.75	5.19E-06	1.74E-05
PRCP	0.66	5.19E-06	1.74E-05
RP1-161N10.1	-5.06	5.19E-06	1.74E-05
TGS1	-0.56	5.20E-06	1.74E-05
SLC35A1	-0.66	5.20E-06	1.74E-05
TFDP1	0.49	5.21E-06	1.74E-05
XLOC_004122	-1.26	5.21E-06	1.74E-05
TPI1P3	-5.09	5.21E-06	1.74E-05
SPATA17	-1.52	5.22E-06	1.75E-05
RP4-569M23.5	-4.93	5.23E-06	1.75E-05
GRAMD2	0.82	5.23E-06	1.75E-05
RN7SL653P	-5.18	5.23E-06	1.75E-05
XLOC_005377	-5.16	5.25E-06	1.75E-05
RP11-863P13.6	-2.27	5.26E-06	1.76E-05
PNPT1P1	-5.07	5.27E-06	1.76E-05
ACKR4	1.40	5.28E-06	1.76E-05
WASF1	0.97	5.29E-06	1.77E-05
RP11-334C17.3	1.25	5.29E-06	1.77E-05
C12orf40	-5.34	5.30E-06	1.77E-05
EPS8L1	0.98	5.30E-06	1.77E-05
RP11-2N1.1	-5.46	5.31E-06	1.77E-05
RP11-546M21.6	-4.98	5.31E-06	1.77E-05
CEP85L	-1.00	5.31E-06	1.77E-05
XLOC_003809	3.45	5.33E-06	1.78E-05
MTND4P32	-5.27	5.34E-06	1.78E-05
SNORA70G	-5.33	5.34E-06	1.78E-05
PLXNB1	1.00	5.36E-06	1.79E-05
DUXAP9	4.19	5.38E-06	1.79E-05
SDK1	1.99	5.38E-06	1.79E-05
VEZT	-0.44	5.38E-06	1.80E-05
GLB1	0.67	5.40E-06	1.80E-05
ARHGEF16	1.18	5.41E-06	1.80E-05
RN7SL333P	-2.82	5.41E-06	1.80E-05
AP000889.2	-5.45	5.42E-06	1.80E-05
MTCO3P12	-1.24	5.43E-06	1.81E-05
ARHGEF33	-1.65	5.43E-06	1.81E-05

ORMDL3	0.56	5.43E-06	1.81E-05
FRZB	1.38	5.43E-06	1.81E-05
RP11-327O17.2	-4.95	5.43E-06	1.81E-05
GALNS	0.91	5.44E-06	1.81E-05
HSD11B1L	0.98	5.44E-06	1.81E-05
RP11-481C4.1	-5.38	5.46E-06	1.82E-05
RP11-342K6.3	-4.81	5.46E-06	1.82E-05
SERTAD4	0.88	5.47E-06	1.82E-05
DLGAP3	2.18	5.47E-06	1.82E-05
ZBED5	-0.55	5.50E-06	1.83E-05
RNU6-402P	-4.94	5.51E-06	1.83E-05
G19261	2.48	5.51E-06	1.83E-05
COX15	-0.45	5.52E-06	1.84E-05
PRPF8	-0.48	5.52E-06	1.84E-05
GCSAML	-2.56	5.53E-06	1.84E-05
LINC01397	4.50	5.53E-06	1.84E-05
ACRC	-1.51	5.54E-06	1.84E-05
JARID2-AS1	-2.30	5.54E-06	1.84E-05
OR7E100P	-5.21	5.55E-06	1.84E-05
G15458	-5.14	5.55E-06	1.85E-05
ARVCF	1.18	5.56E-06	1.85E-05
SLC30A5	-0.58	5.56E-06	1.85E-05
RP11-258F1.2	-4.05	5.59E-06	1.86E-05
H2AFY	0.45	5.59E-06	1.86E-05
TXNDC11	0.51	5.62E-06	1.87E-05
GFRA1	-2.00	5.62E-06	1.87E-05
RPL6P27	0.95	5.62E-06	1.87E-05
LCE3C	6.61	5.63E-06	1.87E-05
HSPE1P27	-5.14	5.64E-06	1.87E-05
SLCO1C1	3.02	5.64E-06	1.87E-05
PLA2G4E-AS1	-1.95	5.66E-06	1.88E-05
ROR2	1.96	5.67E-06	1.88E-05
ATP10D	-0.77	5.69E-06	1.89E-05
RP11-115C21.4	-5.10	5.69E-06	1.89E-05
AC073069.2	-5.11	5.70E-06	1.89E-05
UGT1A2P	-5.33	5.70E-06	1.89E-05
MED12L	-1.57	5.70E-06	1.89E-05
XLOC_002925	-4.17	5.72E-06	1.90E-05
KRT16P2	3.46	5.73E-06	1.90E-05
IL24	2.93	5.74E-06	1.90E-05
CTC-303L1.2	-4.15	5.74E-06	1.90E-05
KCNA5	2.97	5.75E-06	1.91E-05
RP11-270F18.2	-5.01	5.75E-06	1.91E-05
CDX1	4.74	5.76E-06	1.91E-05
RP11-16L14.2	-4.79	5.77E-06	1.91E-05

RP11-413E1.4	-3.40	5.77E-06	1.91E-05
HHIPL1	1.90	5.78E-06	1.92E-05
CTA-299D3.8	-5.58	5.78E-06	1.92E-05
RASL11B	1.45	5.79E-06	1.92E-05
CCNYL1	0.72	5.80E-06	1.92E-05
RP11-15B17.4	-4.22	5.80E-06	1.92E-05
AL139333.1	-4.83	5.80E-06	1.92E-05
SLC8A2	1.92	5.80E-06	1.92E-05
NCAM1	-1.77	5.81E-06	1.92E-05
UBN1	0.43	5.82E-06	1.93E-05
FGF12	2.60	5.82E-06	1.93E-05
GS1-124K5.3	-1.50	5.82E-06	1.93E-05
NPR1	1.57	5.82E-06	1.93E-05
AC009495.3	-3.21	5.84E-06	1.94E-05
RP5-1049G16.4	-5.02	5.85E-06	1.94E-05
SNPH	1.16	5.86E-06	1.94E-05
NEK5	-1.26	5.86E-06	1.94E-05
AC106873.4	-5.20	5.86E-06	1.94E-05
RP5-979D14.1	-5.32	5.87E-06	1.94E-05
FAM133DP	2.01	5.88E-06	1.94E-05
MCM3AP-AS1	-1.14	5.90E-06	1.95E-05
RP11-762H8.1	-4.91	5.90E-06	1.95E-05
SSR3	-0.63	5.90E-06	1.95E-05
RP11-46I1.1	-5.45	5.91E-06	1.95E-05
AC013410.1	-5.44	5.91E-06	1.95E-05
RP11-752G15.8	-4.35	5.92E-06	1.96E-05
RPLP0	0.77	5.93E-06	1.96E-05
DPH2	0.70	5.94E-06	1.96E-05
RP11-493P1.2	-3.59	5.94E-06	1.96E-05
MIR1537	-5.19	5.95E-06	1.97E-05
OTX1	1.22	5.95E-06	1.97E-05
ITPK1-AS1	-5.04	5.96E-06	1.97E-05
RP11-51J9.5	2.05	5.97E-06	1.97E-05
CROCCP3	-1.23	5.97E-06	1.97E-05
SH3BP2	-0.88	5.98E-06	1.97E-05
RP11-71L14.3	-1.63	5.98E-06	1.97E-05
RP11-95P9.1	-5.33	5.98E-06	1.98E-05
POLR3G	1.15	5.98E-06	1.98E-05
RPS4XP17	-3.27	5.99E-06	1.98E-05
RAD21	-0.45	6.00E-06	1.98E-05
MEF2A	-0.68	6.04E-06	1.99E-05
RP11-111F5.8	-5.71	6.04E-06	1.99E-05
SFTPC	-2.13	6.04E-06	1.99E-05
ME1	-1.18	6.04E-06	2.00E-05
TMPRSS11A	2.99	6.05E-06	2.00E-05

RP11-458F8.1	-2.07	6.05E-06	2.00E-05
RP4-672N11.1	-5.28	6.07E-06	2.00E-05
RP11-12G12.7	1.43	6.08E-06	2.01E-05
ELOVL3	-4.37	6.08E-06	2.01E-05
VSIG4	2.52	6.08E-06	2.01E-05
CTC-550B14.7	-1.34	6.10E-06	2.01E-05
SHC3	-1.60	6.11E-06	2.02E-05
XLOC_009475	-2.41	6.13E-06	2.02E-05
AC068641.1	-5.12	6.14E-06	2.02E-05
VWFP1	4.85	6.14E-06	2.03E-05
NR1D1	2.11	6.18E-06	2.04E-05
CTC-487M23.6	-1.51	6.22E-06	2.05E-05
GPR161	0.89	6.22E-06	2.05E-05
RNF123	0.65	6.23E-06	2.05E-05
PAX6	-0.96	6.24E-06	2.06E-05
AB015752.3	-4.91	6.25E-06	2.06E-05
RP1-178F10.1	-2.22	6.26E-06	2.06E-05
GAS2L1	0.71	6.26E-06	2.06E-05
NCBP2	0.48	6.27E-06	2.06E-05
GGCX	-0.49	6.27E-06	2.07E-05
RP11-14I17.3	-5.41	6.28E-06	2.07E-05
CTBP1	0.34	6.28E-06	2.07E-05
MIR3140	-5.28	6.28E-06	2.07E-05
RNA5SP295	-5.43	6.29E-06	2.07E-05
TP53RK	-0.70	6.30E-06	2.07E-05
CAPN10-AS1	-1.51	6.30E-06	2.07E-05
KB-7G2.9	-5.29	6.30E-06	2.08E-05
RP11-554D20.1	-5.17	6.31E-06	2.08E-05
KB-1562D12.3	-3.88	6.31E-06	2.08E-05
RNU6-37P	3.08	6.32E-06	2.08E-05
TP53BP1	-0.51	6.33E-06	2.08E-05
RP11-26L20.3	-5.32	6.33E-06	2.08E-05
RSPO3	2.94	6.35E-06	2.09E-05
TDG	0.45	6.35E-06	2.09E-05
NDUFA3	0.61	6.37E-06	2.09E-05
STAR	-0.89	6.38E-06	2.10E-05
RP11-1055B8.1	2.01	6.39E-06	2.10E-05
C1orf159	1.27	6.42E-06	2.11E-05
AC073569.1	-5.26	6.44E-06	2.12E-05
RP11-661O13.1	-2.54	6.44E-06	2.12E-05
GNB5	0.92	6.44E-06	2.12E-05
RP1-56K13.5	-4.52	6.46E-06	2.12E-05
DNAJB3	-4.30	6.46E-06	2.12E-05
SELP	1.88	6.47E-06	2.13E-05
SLTM	0.52	6.48E-06	2.13E-05

RP11-346E8.1	-5.36	6.49E-06	2.13E-05
MRS2	-0.49	6.50E-06	2.14E-05
CTC-239J10.1	-4.90	6.51E-06	2.14E-05
RP11-325K4.3	-2.12	6.51E-06	2.14E-05
ARHGAP15	1.39	6.52E-06	2.14E-05
RP6-206I17.1	1.41	6.53E-06	2.14E-05
RP11-927P21.1	-2.39	6.53E-06	2.14E-05
GLOD4	0.58	6.53E-06	2.14E-05
RPL7P25	-5.37	6.54E-06	2.15E-05
SLC25A30	-0.41	6.54E-06	2.15E-05
RP11-263K4.1	-5.29	6.57E-06	2.16E-05
RP11-175K6.1	2.32	6.57E-06	2.16E-05
RP11-618N24.1	-3.43	6.59E-06	2.16E-05
FAM193A	0.59	6.60E-06	2.17E-05
CCNB2P1	-5.21	6.65E-06	2.18E-05
ZDHHC11	-2.28	6.65E-06	2.18E-05
WDR45B	0.46	6.65E-06	2.18E-05
CRTC3	0.63	6.67E-06	2.19E-05
VAV1	1.68	6.67E-06	2.19E-05
MTND5P26	-5.48	6.68E-06	2.19E-05
ZMYND11	-0.46	6.69E-06	2.19E-05
SAMD5	-1.82	6.70E-06	2.20E-05
TEX9	-0.85	6.70E-06	2.20E-05
SCN3B	0.91	6.71E-06	2.20E-05
CTD-2262B20.1	-2.92	6.71E-06	2.20E-05
TXNDC12-AS1	-4.89	6.72E-06	2.20E-05
PRPF40A	-0.55	6.73E-06	2.20E-05
AP001619.2	-3.44	6.73E-06	2.21E-05
G16026	-2.98	6.75E-06	2.21E-05
RNA5SP78	-5.20	6.75E-06	2.21E-05
DCTN4	-0.51	6.77E-06	2.22E-05
ABCC4	-0.96	6.77E-06	2.22E-05
PI4KAP2	1.70	6.79E-06	2.22E-05
RP11-240G22.5	-3.51	6.79E-06	2.22E-05
TCN2	1.39	6.82E-06	2.23E-05
AC104113.3	-5.31	6.83E-06	2.23E-05
AC093157.1	-3.17	6.83E-06	2.24E-05
RP11-151A6.4	-1.93	6.83E-06	2.24E-05
G42257	-4.98	6.84E-06	2.24E-05
KLF9	1.05	6.85E-06	2.24E-05
SRMS	1.71	6.85E-06	2.24E-05
RBKS	1.12	6.86E-06	2.25E-05
PKP3	0.92	6.88E-06	2.25E-05
RP11-65L3.2	-2.51	6.88E-06	2.25E-05
RP11-1012A1.10	-5.10	6.89E-06	2.25E-05

Gene	Value	P-value	FDR
EIF2S3	-0.58	6.90E-06	2.26E-05
RP11-508M8.1	-6.12	6.91E-06	2.26E-05
VPS26BP1	-4.15	6.93E-06	2.27E-05
TCTEX1D1	2.14	6.94E-06	2.27E-05
MIR3659	-5.20	6.95E-06	2.27E-05
RP11-20B24.5	-5.02	6.95E-06	2.27E-05
RFC5	-0.58	6.96E-06	2.27E-05
KRT43P	-5.43	6.98E-06	2.28E-05
FANCF	-0.63	7.00E-06	2.29E-05
TSPAN9-IT1	-5.22	7.01E-06	2.29E-05
LPAR2	0.66	7.03E-06	2.30E-05
RP3-476K8.4	-3.50	7.06E-06	2.30E-05
TOP3B	-2.99	7.06E-06	2.31E-05
ACADVL	0.75	7.07E-06	2.31E-05
RP11-613F22.6	-3.71	7.08E-06	2.31E-05
SP2-AS1	-1.06	7.08E-06	2.31E-05
DENND1A	0.78	7.08E-06	2.31E-05
RP11-82O19.2	-2.96	7.09E-06	2.31E-05
G6708	-1.04	7.10E-06	2.32E-05
CFAP100	-4.80	7.10E-06	2.32E-05
SNORD114-20	-5.48	7.11E-06	2.32E-05
SCD	1.28	7.12E-06	2.32E-05
MAPKAP1	0.38	7.12E-06	2.32E-05
F12	1.05	7.12E-06	2.32E-05
AC016757.3	2.62	7.13E-06	2.32E-05
RP11-298E2.2	-3.66	7.15E-06	2.33E-05
G30728	-2.04	7.15E-06	2.33E-05
RFWD2	-0.41	7.15E-06	2.33E-05
SNORD63	-2.15	7.15E-06	2.33E-05
NAA50	-0.61	7.16E-06	2.33E-05
CFAP44-AS1	-4.96	7.16E-06	2.33E-05
CISH	0.86	7.16E-06	2.33E-05
CXorf57	-0.91	7.17E-06	2.34E-05
SRRM1P3	-4.49	7.18E-06	2.34E-05
AC092839.4	-5.04	7.20E-06	2.35E-05
SUN1	-0.47	7.21E-06	2.35E-05
JUP	0.86	7.22E-06	2.35E-05
LYRM7	-0.81	7.22E-06	2.35E-05
POLR3H	0.51	7.22E-06	2.35E-05
RP4-644L1.2	-4.23	7.23E-06	2.36E-05
CTD-2301A4.3	-2.56	7.24E-06	2.36E-05
NR1H3	1.24	7.24E-06	2.36E-05
CHST11	1.48	7.25E-06	2.36E-05
EDDM3CP	-5.07	7.26E-06	2.36E-05
RP11-981G7.6	-2.06	7.26E-06	2.36E-05

RP11-493G17.4	-5.31	7.28E-06	2.37E-05
CTD-3099C6.11	1.53	7.28E-06	2.37E-05
RP11-69E11.8	-2.80	7.30E-06	2.38E-05
UBA52	0.61	7.31E-06	2.38E-05
DDX52	-0.60	7.32E-06	2.38E-05
MYH15	-1.87	7.32E-06	2.38E-05
PPA2	-0.53	7.34E-06	2.39E-05
AC012613.2	-5.29	7.34E-06	2.39E-05
GAPDHP33	-5.20	7.35E-06	2.39E-05
HLA-DQA1	-3.31	7.36E-06	2.39E-05
POLR2A	0.88	7.37E-06	2.40E-05
RNU6-1327P	-5.24	7.37E-06	2.40E-05
RPS3P7	-5.46	7.37E-06	2.40E-05
PSMD3	0.56	7.37E-06	2.40E-05
EPHA8	5.39	7.38E-06	2.40E-05
RP11-87H9.3	-2.24	7.38E-06	2.40E-05
AC018755.16	2.13	7.39E-06	2.40E-05
XLOC_013178	-4.94	7.42E-06	2.41E-05
RNASEH1-AS1	1.12	7.42E-06	2.41E-05
RBPJ	-0.47	7.42E-06	2.41E-05
SNAPIN	0.67	7.43E-06	2.41E-05
AC130709.1	-5.22	7.43E-06	2.41E-05
PRR15L	2.06	7.44E-06	2.42E-05
RP11-354P11.2	-5.24	7.45E-06	2.42E-05
CTB-193M12.1	-5.15	7.46E-06	2.42E-05
FAM32A	0.61	7.47E-06	2.43E-05
ESRP2	0.61	7.48E-06	2.43E-05
PPIC	0.95	7.49E-06	2.43E-05
TMEM143	0.96	7.49E-06	2.43E-05
RPSAP21	-3.62	7.50E-06	2.43E-05
BMP4	0.78	7.50E-06	2.43E-05
KRT39	-5.06	7.51E-06	2.44E-05
KB-1205A7.1	-5.31	7.51E-06	2.44E-05
ADGRL1	0.81	7.51E-06	2.44E-05
RP11-51F16.1	2.15	7.51E-06	2.44E-05
BAHD1	0.61	7.53E-06	2.44E-05
RBP2	-2.94	7.54E-06	2.45E-05
MIR503HG	3.11	7.61E-06	2.47E-05
P2RY6	2.51	7.65E-06	2.48E-05
UBL7	0.63	7.65E-06	2.48E-05
TMC7	1.24	7.66E-06	2.48E-05
RP11-1129I3.1	-4.92	7.66E-06	2.48E-05
XXyac-YR38GF2.1	-2.45	7.67E-06	2.49E-05
MYLK-AS1	-1.74	7.68E-06	2.49E-05
SAMD14	2.13	7.68E-06	2.49E-05

RPS2P7	-5.77	7.68E-06	2.49E-05
TPD52	-0.86	7.70E-06	2.49E-05
DNM1P35	-2.60	7.81E-06	2.53E-05
NME9	-1.65	7.81E-06	2.53E-05
RP11-823P9.4	-5.27	7.82E-06	2.53E-05
MIR27B	-1.82	7.83E-06	2.53E-05
GPR3	3.42	7.83E-06	2.54E-05
IQCJ	-6.18	7.84E-06	2.54E-05
GCHFR	-2.41	7.85E-06	2.54E-05
RNU6-341P	-5.06	7.85E-06	2.54E-05
USP39	0.37	7.86E-06	2.54E-05
G11966	-3.52	7.88E-06	2.55E-05
RP1-80N2.3	-1.60	7.89E-06	2.55E-05
MIR194-1	-5.04	7.89E-06	2.55E-05
MTND5P28	-3.03	7.90E-06	2.56E-05
PCYT1A	-0.62	7.90E-06	2.56E-05
RP11-886P16.10	-5.01	7.91E-06	2.56E-05
DCLK1	-1.67	7.91E-06	2.56E-05
BARX2	1.42	7.94E-06	2.57E-05
RP11-705C15.3	-1.58	7.95E-06	2.57E-05
PRR15	1.88	7.99E-06	2.58E-05
CTPS2	-0.58	7.99E-06	2.58E-05
MTCYBP3	-5.28	8.00E-06	2.59E-05
VN1R14P	-4.88	8.02E-06	2.59E-05
FBXO22	-0.53	8.02E-06	2.59E-05
SNORD100	-1.86	8.03E-06	2.60E-05
RP11-535M15.1	2.89	8.06E-06	2.60E-05
RP11-769O8.1	-4.79	8.09E-06	2.61E-05
ZNF853	1.27	8.11E-06	2.62E-05
AC008746.5	-2.61	8.11E-06	2.62E-05
RP11-540O11.8	-4.88	8.12E-06	2.62E-05
SNX7	0.79	8.14E-06	2.63E-05
ATOX1	0.44	8.15E-06	2.63E-05
RP11-430H10.2	3.99	8.17E-06	2.64E-05
CA14	-1.09	8.17E-06	2.64E-05
ZNF880	-1.02	8.17E-06	2.64E-05
CTD-2522E6.4	-4.79	8.18E-06	2.64E-05
CTB-58E17.1	0.89	8.18E-06	2.64E-05
FOS	2.35	8.18E-06	2.64E-05
LYSMD3	-0.61	8.19E-06	2.64E-05
RBP4	4.01	8.20E-06	2.64E-05
RP11-571L19.8	-1.27	8.21E-06	2.65E-05
OLFM2	0.85	8.22E-06	2.65E-05
BNIP3P27	-5.06	8.22E-06	2.65E-05
NOP56	0.64	8.23E-06	2.65E-05

MAPK8IP1	0.89	8.23E-06	2.65E-05
RP11-552M11.8	-1.34	8.25E-06	2.66E-05
ARMCX5-GPRASP2	-0.83	8.26E-06	2.66E-05
WASH7P	1.07	8.27E-06	2.67E-05
RP11-342M21.2	-5.26	8.27E-06	2.67E-05
RP11-164P12.5	-0.79	8.27E-06	2.67E-05
ZCCHC24	1.35	8.29E-06	2.67E-05
ATP8B1	-0.46	8.32E-06	2.68E-05
RP11-39M21.2	-3.25	8.36E-06	2.69E-05
RP11-177N22.2	-5.44	8.37E-06	2.70E-05
CPB2	-4.90	8.40E-06	2.71E-05
CD1B	-3.72	8.40E-06	2.71E-05
UEVLD	-0.86	8.40E-06	2.71E-05
AVPI1	0.90	8.43E-06	2.71E-05
MTATP6P11	-5.40	8.43E-06	2.71E-05
BEND6	2.13	8.47E-06	2.73E-05
SAP18	0.64	8.48E-06	2.73E-05
LINC00710	-3.15	8.52E-06	2.74E-05
CENPCP1	-5.28	8.55E-06	2.75E-05
AURKB	1.05	8.55E-06	2.75E-05
FGFBP3	1.04	8.55E-06	2.75E-05
RP11-15I11.3	-2.50	8.56E-06	2.76E-05
FLJ13224	-2.70	8.57E-06	2.76E-05
AC007919.18	-4.69	8.57E-06	2.76E-05
CPSF6	-0.51	8.58E-06	2.76E-05
RP11-2C24.9	-0.99	8.58E-06	2.76E-05
INIP	-0.48	8.59E-06	2.76E-05
CTD-2192J16.20	-1.14	8.61E-06	2.77E-05
OR2I1P	4.15	8.62E-06	2.77E-05
TM9SF4	0.50	8.62E-06	2.77E-05
RP11-122A21.2	-4.24	8.63E-06	2.77E-05
MEIS1-AS2	-4.90	8.63E-06	2.77E-05
DNMBP	-0.57	8.65E-06	2.78E-05
RNVU1-13	-3.65	8.67E-06	2.79E-05
RP11-10E18.7	-2.34	8.67E-06	2.79E-05
CTC-436P18.4	-2.94	8.70E-06	2.80E-05
RPL29P19	3.99	8.71E-06	2.80E-05
RNF125	-0.86	8.71E-06	2.80E-05
XLOC_003480	-3.56	8.71E-06	2.80E-05
PMF1	0.78	8.73E-06	2.80E-05
RPL23AP11	-5.05	8.73E-06	2.80E-05
ZNF223	-1.27	8.73E-06	2.80E-05
RP11-501M7.1	-5.32	8.76E-06	2.81E-05
RP11-150O12.6	3.58	8.79E-06	2.82E-05
SEMA3F-AS1	-1.87	8.80E-06	2.83E-05

MKX	2.68	8.81E-06	2.83E-05
RP11-328C8.2	-3.81	8.82E-06	2.83E-05
PCSK1	2.34	8.83E-06	2.83E-05
CTC-459F4.1	-1.58	8.84E-06	2.84E-05
SNORA81	-2.81	8.87E-06	2.85E-05
CTA-392E5.1	5.10	8.89E-06	2.85E-05
CTD-2235C13.3	-2.19	8.89E-06	2.85E-05
RP11-793H13.12	-4.91	8.92E-06	2.86E-05
KRT73	-2.90	8.93E-06	2.87E-05
PEX6	1.23	8.94E-06	2.87E-05
FLRT2	-0.86	8.94E-06	2.87E-05
NLE1	0.53	8.95E-06	2.87E-05
AC006445.7	-4.94	8.99E-06	2.88E-05
AC144530.1	-2.88	8.99E-06	2.88E-05
FAU	0.65	9.00E-06	2.89E-05
G28021	-4.91	9.01E-06	2.89E-05
INPP5F	-0.49	9.02E-06	2.89E-05
DOCK10	-0.75	9.04E-06	2.90E-05
G38234	-3.58	9.04E-06	2.90E-05
AC002128.5	-2.20	9.04E-06	2.90E-05
HAPLN1	-5.91	9.09E-06	2.91E-05
C1QTNF9B	-3.97	9.09E-06	2.91E-05
PCED1B-AS1	2.17	9.12E-06	2.92E-05
ATRIP	0.57	9.13E-06	2.92E-05
LAMA4	1.50	9.15E-06	2.93E-05
E2F4	0.56	9.15E-06	2.93E-05
CATSPERG	-1.57	9.19E-06	2.94E-05
TUSC3	1.15	9.23E-06	2.95E-05
FRMD4A	-0.70	9.24E-06	2.96E-05
ADAMTS9	1.46	9.25E-06	2.96E-05
AC092687.5	-5.27	9.25E-06	2.96E-05
RP11-102M11.1	-2.21	9.26E-06	2.96E-05
SMU1	-0.48	9.26E-06	2.96E-05
FLG-AS1	-1.38	9.29E-06	2.97E-05
RP11-304F15.3	-1.75	9.29E-06	2.97E-05
SLC45A2	-1.66	9.30E-06	2.97E-05
AC016683.5	-4.68	9.30E-06	2.98E-05
RP11-359M6.1	-4.05	9.33E-06	2.98E-05
FAM3C2	1.18	9.35E-06	2.99E-05
RNU7-91P	-5.35	9.36E-06	2.99E-05
CTA-331F8.1	-5.36	9.37E-06	3.00E-05
MTIF3	0.52	9.38E-06	3.00E-05
RP11-166O4.4	-5.13	9.39E-06	3.00E-05
BUD31	0.65	9.40E-06	3.00E-05
MYEOV2	0.77	9.40E-06	3.01E-05

RP11-435O5.6	-5.12	9.41E-06	3.01E-05
DOT1L	0.82	9.41E-06	3.01E-05
RPL12P20	-5.19	9.42E-06	3.01E-05
RPL4P4	-1.05	9.43E-06	3.01E-05
HTR5BP	-3.00	9.45E-06	3.02E-05
RPL7AP15	-5.22	9.48E-06	3.03E-05
ENO1P3	-3.32	9.54E-06	3.05E-05
AC092171.4	0.80	9.54E-06	3.05E-05
PRR19	1.95	9.57E-06	3.06E-05
RP11-90D4.3	-5.05	9.57E-06	3.06E-05
EIF4BP7	-1.23	9.58E-06	3.06E-05
RP11-439H13.2	-1.47	9.58E-06	3.06E-05
RP11-622C24.2	-2.84	9.63E-06	3.08E-05
PAXIP1	-0.47	9.64E-06	3.08E-05
SNORA17	-5.06	9.65E-06	3.08E-05
RP11-777B9.1	-5.05	9.65E-06	3.08E-05
ADCYAP1	5.14	9.66E-06	3.08E-05
NCLP1	-2.88	9.68E-06	3.09E-05
FGD5	1.33	9.68E-06	3.09E-05
BUD13	0.39	9.71E-06	3.10E-05
RNU6-608P	-5.17	9.72E-06	3.10E-05
PABPC4L	1.58	9.72E-06	3.10E-05
TXNP6	-5.16	9.74E-06	3.11E-05
PTPN20B	-2.00	9.75E-06	3.11E-05
AP000473.8	-2.04	9.76E-06	3.11E-05
EFCAB5	-2.23	9.76E-06	3.11E-05
POLE2	-0.75	9.77E-06	3.11E-05
RP1-300G12.2	-4.88	9.78E-06	3.12E-05
LCNL1	4.30	9.78E-06	3.12E-05
VENTX	2.97	9.80E-06	3.12E-05
TMEM164	-0.94	9.81E-06	3.13E-05
ZFP91	-0.50	9.83E-06	3.13E-05
TMEM92	2.53	9.86E-06	3.14E-05
U6	-2.62	9.88E-06	3.15E-05
RP11-358B23.5	-4.07	9.89E-06	3.15E-05
C11orf54	-0.77	9.89E-06	3.15E-05
MIR548E	-5.23	9.90E-06	3.15E-05
FMNL1	1.40	9.91E-06	3.15E-05
HNRNPA1P76	-3.24	9.94E-06	3.17E-05
MSH4	-2.93	9.96E-06	3.17E-05
GDPD3	1.09	9.98E-06	3.18E-05
CTD-2104P17.1	-4.08	9.98E-06	3.18E-05
GLYATL1	-2.25	9.99E-06	3.18E-05
RP11-515O17.3	-4.84	9.99E-06	3.18E-05
ATF6	-0.62	1.00E-05	3.18E-05

EIF2AK1	0.41	1.00E-05	3.18E-05
BOC	-0.94	1.00E-05	3.18E-05
TSPAN7	1.23	1.00E-05	3.19E-05
SYCE3	3.00	1.00E-05	3.19E-05
HSPA8P18	-5.22	1.01E-05	3.20E-05
SPRR2D	2.44	1.01E-05	3.20E-05
ZNF131	-0.44	1.01E-05	3.21E-05
SLC38A1	-0.76	1.01E-05	3.21E-05
CCDC168	-3.97	1.01E-05	3.21E-05
RP11-216N14.7	-3.62	1.01E-05	3.21E-05
NIPAL3	-0.76	1.01E-05	3.21E-05
XLOC_000566	-4.84	1.01E-05	3.21E-05
TPRKBP2	-5.06	1.01E-05	3.22E-05
EID3	-1.00	1.01E-05	3.22E-05
RN7SL23P	-5.32	1.01E-05	3.22E-05
RP11-6O2.3	-2.13	1.01E-05	3.22E-05
RP11-517H2.6	-4.75	1.01E-05	3.22E-05
RBM26	-0.56	1.01E-05	3.22E-05
RP11-531A24.5	-1.49	1.02E-05	3.23E-05
G29706	-5.14	1.02E-05	3.23E-05
HN1	0.71	1.02E-05	3.24E-05
MIR5692C2	-4.91	1.02E-05	3.24E-05
RN7SL552P	-5.08	1.02E-05	3.25E-05
RPL18P10	-4.14	1.03E-05	3.25E-05
OSTF1	0.56	1.03E-05	3.26E-05
CEP295NL	-2.80	1.03E-05	3.26E-05
GBP4	1.57	1.03E-05	3.26E-05
HSD3BP1	-5.07	1.03E-05	3.27E-05
RP11-22B10.3	-5.41	1.03E-05	3.27E-05
MED8	0.55	1.03E-05	3.28E-05
KCND3-AS1	-4.83	1.03E-05	3.28E-05
EMILIN3	-2.26	1.04E-05	3.28E-05
RP11-863P13.4	-1.38	1.04E-05	3.29E-05
RPL12P11	-5.16	1.04E-05	3.29E-05
NDRG3	0.51	1.04E-05	3.29E-05
KCNK5	2.56	1.04E-05	3.29E-05
MTND4P23	-5.26	1.04E-05	3.29E-05
FBLN7	1.70	1.04E-05	3.29E-05
ZNF331	-0.56	1.05E-05	3.31E-05
RP11-482M8.1	1.69	1.05E-05	3.31E-05
STAP2	0.74	1.05E-05	3.32E-05
RP11-344N10.5	-1.59	1.05E-05	3.32E-05
ENPP7P4	-2.67	1.05E-05	3.33E-05
RP11-451F14.1	-5.13	1.05E-05	3.33E-05
snoZ5	-5.07	1.05E-05	3.33E-05

RP11-540O11.6	-4.91	1.05E-05	3.33E-05
PJA2	-0.59	1.05E-05	3.34E-05
CLCN1	3.49	1.06E-05	3.35E-05
CCDC74BP1	-5.04	1.06E-05	3.35E-05
CABLES1	-0.62	1.06E-05	3.36E-05
LZTR1	0.94	1.06E-05	3.36E-05
G11316	-5.90	1.06E-05	3.36E-05
DEF8	0.55	1.06E-05	3.36E-05
PIF1	1.78	1.06E-05	3.36E-05
ASB9P1	-4.86	1.06E-05	3.37E-05
PCOLCE2	-1.81	1.07E-05	3.37E-05
GHRL	-1.86	1.07E-05	3.37E-05
RPL7P52	-5.18	1.07E-05	3.38E-05
CTC-459M5.2	-2.84	1.07E-05	3.38E-05
IL2RA	3.09	1.07E-05	3.38E-05
TLR7	2.37	1.07E-05	3.39E-05
AC009009.1	-5.28	1.07E-05	3.39E-05
FAM160B1	-0.50	1.07E-05	3.39E-05
FAM149B1	-0.38	1.07E-05	3.39E-05
DIO1	-2.65	1.07E-05	3.39E-05
GPC5-AS2	-5.10	1.08E-05	3.41E-05
FIBIN	1.53	1.08E-05	3.41E-05
RP11-375I20.6	-2.72	1.08E-05	3.41E-05
N6AMT2	0.72	1.08E-05	3.42E-05
SERPINB10	-1.39	1.08E-05	3.42E-05
AC124914.3	-4.34	1.08E-05	3.42E-05
XPOTP1	-5.21	1.08E-05	3.42E-05
CCDC115	0.58	1.08E-05	3.42E-05
CTD-2095E4.3	-2.02	1.08E-05	3.43E-05
OR52I1	-4.96	1.08E-05	3.43E-05
RP11-161M6.2	2.42	1.09E-05	3.43E-05
BECN1	0.42	1.09E-05	3.43E-05
PSG1	-5.37	1.09E-05	3.44E-05
MUSK	-2.52	1.09E-05	3.45E-05
WWC2-AS2	1.12	1.09E-05	3.45E-05
RP11-439E19.9	-2.73	1.09E-05	3.45E-05
RP11-466A19.4	-5.27	1.09E-05	3.45E-05
HIST2H2AA3	-2.72	1.09E-05	3.45E-05
RP11-6E9.4	-4.87	1.09E-05	3.45E-05
CCDC149	0.77	1.10E-05	3.46E-05
RP11-537I16.2	-5.30	1.10E-05	3.46E-05
G24850	-2.75	1.10E-05	3.46E-05
LAD1	0.80	1.10E-05	3.46E-05
PPP1R26P1	-1.93	1.10E-05	3.46E-05
CTC-308K20.4	-5.05	1.10E-05	3.47E-05

TPM3P7	-5.30	1.10E-05	3.47E-05
DOLPP1	0.48	1.10E-05	3.47E-05
PLCD3	0.78	1.10E-05	3.47E-05
PREX1	1.07	1.11E-05	3.49E-05
RP11-493E3.1	-4.65	1.11E-05	3.49E-05
TRPM6	1.57	1.11E-05	3.50E-05
RP4-534N18.2	-2.64	1.11E-05	3.51E-05
RPL36AP15	-3.52	1.11E-05	3.51E-05
AXDND1	-4.44	1.12E-05	3.51E-05
RP11-397J20.1	-5.05	1.12E-05	3.52E-05
FAM53A	1.31	1.12E-05	3.52E-05
RP4-791M13.5	-5.04	1.12E-05	3.52E-05
GYG2	1.52	1.12E-05	3.52E-05
FAM49A	1.31	1.12E-05	3.53E-05
RAB21	-0.56	1.12E-05	3.53E-05
RP11-265F19.1	-4.92	1.12E-05	3.53E-05
GAS6-AS1	-1.75	1.12E-05	3.53E-05
LINC01311	-1.53	1.12E-05	3.53E-05
PIGU	0.50	1.12E-05	3.54E-05
RP5-1139B12.4	-4.87	1.12E-05	3.54E-05
OSTN	-5.34	1.12E-05	3.54E-05
H2AFZP3	-4.88	1.13E-05	3.55E-05
UBQLN1	-0.53	1.13E-05	3.55E-05
ZC3H8	-0.53	1.13E-05	3.56E-05
RP11-21M24.3	-4.11	1.13E-05	3.56E-05
CTD-2583P5.1	-5.08	1.13E-05	3.56E-05
RUVBL1	0.56	1.13E-05	3.56E-05
CEP63	0.48	1.13E-05	3.56E-05
RP11-802O23.3	-4.99	1.13E-05	3.57E-05
RNU5F-1	-4.07	1.14E-05	3.57E-05
RP11-44N11.1	-2.09	1.14E-05	3.57E-05
PTPN6	0.66	1.14E-05	3.58E-05
PRICKLE4	1.30	1.14E-05	3.58E-05
TSHR	-2.19	1.14E-05	3.58E-05
IFI6	2.76	1.14E-05	3.59E-05
EEF1A2	1.67	1.14E-05	3.59E-05
RP11-478C6.5	-4.65	1.14E-05	3.60E-05
WDR88	-1.18	1.15E-05	3.62E-05
FOLH1	1.60	1.15E-05	3.62E-05
HDAC11	0.62	1.15E-05	3.63E-05
FCER1G	2.30	1.16E-05	3.63E-05
SEPT7P6	-5.22	1.16E-05	3.63E-05
RABGGTB	-0.55	1.16E-05	3.65E-05
RP11-210K20.6	-5.18	1.16E-05	3.66E-05
CTD-2235C13.1	-3.04	1.17E-05	3.66E-05

PHOSPHO2	-1.14	1.17E-05	3.68E-05
AC010999.1	-4.98	1.17E-05	3.68E-05
ZNF621	-0.59	1.17E-05	3.68E-05
IL6ST	-0.94	1.17E-05	3.69E-05
GPAT2	1.85	1.18E-05	3.69E-05
RP13-476E20.1	-1.90	1.18E-05	3.69E-05
GAPDHP39	-3.75	1.18E-05	3.70E-05
G33837	-5.72	1.18E-05	3.70E-05
KLHL22	0.64	1.18E-05	3.71E-05
RP3-525L6.2	-3.08	1.19E-05	3.72E-05
FAT1	-0.81	1.19E-05	3.72E-05
S100A7A	4.77	1.19E-05	3.72E-05
TMOD3	-0.61	1.19E-05	3.72E-05
RP11-146N23.4	-2.11	1.19E-05	3.73E-05
AC012368.1	-4.77	1.19E-05	3.73E-05
FBXL19-AS1	1.19	1.19E-05	3.73E-05
ZNF696	0.64	1.19E-05	3.73E-05
ACO2	0.51	1.19E-05	3.74E-05
RP11-687E1.2	-4.14	1.19E-05	3.74E-05
SNORD116-13	-4.94	1.20E-05	3.75E-05
UBTF	0.41	1.20E-05	3.76E-05
RN7SL141P	-5.01	1.20E-05	3.76E-05
ALDOC	0.92	1.20E-05	3.77E-05
OBP2A	3.38	1.20E-05	3.77E-05
SMIM6	-2.78	1.20E-05	3.77E-05
AC012627.1	-5.14	1.21E-05	3.78E-05
SNHG5	1.37	1.21E-05	3.79E-05
UBE2A	0.49	1.21E-05	3.79E-05
PDHA1P1	-4.32	1.22E-05	3.82E-05
LINC01503	1.16	1.22E-05	3.82E-05
RNU6-942P	-3.56	1.22E-05	3.82E-05
CTD-2066L21.2	-5.58	1.22E-05	3.83E-05
XPO5	-0.51	1.23E-05	3.83E-05
TRMT5	-0.48	1.23E-05	3.84E-05
LINC00412	-5.03	1.23E-05	3.84E-05
ATP2C1	-0.49	1.23E-05	3.85E-05
PES1P2	-5.36	1.23E-05	3.85E-05
AC006539.3	-4.85	1.23E-05	3.86E-05
ISM1-AS1	-4.87	1.23E-05	3.86E-05
RN7SL188P	-5.22	1.24E-05	3.86E-05
WFDC21P	-1.60	1.24E-05	3.87E-05
LUC7L3	1.11	1.24E-05	3.87E-05
BAMBI	1.70	1.24E-05	3.88E-05
GPR79	-4.03	1.24E-05	3.88E-05
RP11-305O4.2	-3.88	1.24E-05	3.88E-05

SMC1A	-0.47	1.24E-05	3.88E-05
G11188	-1.29	1.24E-05	3.88E-05
RP5-855D21.2	-2.08	1.25E-05	3.89E-05
C8orf76	-0.92	1.25E-05	3.89E-05
TLR3	-0.95	1.25E-05	3.90E-05
PRAP1	-2.79	1.25E-05	3.90E-05
SEC24D	0.85	1.25E-05	3.91E-05
NUP107	-0.40	1.25E-05	3.91E-05
AQP5	4.22	1.25E-05	3.91E-05
CRLF1	-1.09	1.26E-05	3.93E-05
RP4-613B23.1	-1.79	1.26E-05	3.93E-05
NXPE2	-4.87	1.26E-05	3.94E-05
GPI	0.62	1.26E-05	3.94E-05
G1033	-2.91	1.26E-05	3.94E-05
PPP1R1B	2.00	1.27E-05	3.97E-05
CCDC184	1.99	1.27E-05	3.97E-05
OXSM	0.50	1.27E-05	3.97E-05
BHLHE22	2.29	1.27E-05	3.97E-05
RP11-407H12.8	-6.67	1.27E-05	3.98E-05
B3GALT5-AS1	2.79	1.28E-05	3.98E-05
PCDHGB3	-1.06	1.28E-05	3.98E-05
RPL7P11	-5.18	1.28E-05	3.98E-05
TBL1X	0.57	1.28E-05	3.98E-05
RBM26-AS1	-1.17	1.28E-05	3.99E-05
CXCL8	4.41	1.28E-05	3.99E-05
RP11-178L8.3	-2.96	1.28E-05	4.00E-05
CEP83	-0.76	1.28E-05	4.00E-05
CCDC28B	1.27	1.29E-05	4.03E-05
BAIAP3	1.34	1.30E-05	4.04E-05
RP11-388P9.2	-2.25	1.30E-05	4.05E-05
LPL	1.72	1.30E-05	4.05E-05
CASC3	0.34	1.30E-05	4.05E-05
RP11-316K19.3	-5.00	1.30E-05	4.06E-05
GLB1L2	0.93	1.30E-05	4.06E-05
CTC-450M9.1	-2.88	1.30E-05	4.06E-05
RP11-768F21.1	5.46	1.30E-05	4.06E-05
MIR365A	-4.99	1.31E-05	4.06E-05
COG4	0.51	1.31E-05	4.08E-05
RP11-1148L6.8	1.05	1.31E-05	4.08E-05
PTAFR	1.19	1.31E-05	4.08E-05
DDX51	0.69	1.31E-05	4.08E-05
RP11-950C14.10	-2.37	1.31E-05	4.08E-05
SMG7	0.73	1.31E-05	4.09E-05
LMX1B	1.32	1.31E-05	4.09E-05
NEK8	0.88	1.31E-05	4.09E-05

UBE2V2P4	-4.97	1.32E-05	4.10E-05
ANO5	-1.84	1.32E-05	4.10E-05
RP11-672A2.4	3.12	1.32E-05	4.11E-05
TMEM38A	1.16	1.32E-05	4.12E-05
PSEN2	0.74	1.32E-05	4.12E-05
CTC-327F10.1	-5.31	1.33E-05	4.12E-05
ALDH7A1P2	-4.48	1.33E-05	4.12E-05
RP11-22B23.1	1.56	1.33E-05	4.12E-05
MT1L	2.03	1.33E-05	4.14E-05
SQRDL	0.58	1.33E-05	4.15E-05
DIAPH2-AS1	-2.15	1.34E-05	4.15E-05
AC083843.4	-4.15	1.34E-05	4.15E-05
ANKRD61	-1.82	1.34E-05	4.16E-05
RP11-613C6.4	-4.93	1.35E-05	4.19E-05
C14orf1	0.82	1.35E-05	4.19E-05
PMAIP1	1.12	1.35E-05	4.19E-05
CYP27B1	1.65	1.35E-05	4.19E-05
C10orf55	1.40	1.35E-05	4.19E-05
IGSF9B	-1.81	1.35E-05	4.19E-05
KB-1184D12.1	5.93	1.35E-05	4.20E-05
CNGB3	-3.98	1.35E-05	4.20E-05
STRBP	-0.72	1.35E-05	4.20E-05
RNU6-433P	-5.08	1.36E-05	4.21E-05
RP11-359J14.2	-2.20	1.36E-05	4.21E-05
PTOV1-AS1	0.72	1.36E-05	4.23E-05
TMEM25	0.68	1.37E-05	4.24E-05
LZTFL1	-0.61	1.37E-05	4.24E-05
KLKP1	2.78	1.37E-05	4.24E-05
RN7SL425P	-3.07	1.37E-05	4.24E-05
RP11-257I8.2	-5.90	1.37E-05	4.24E-05
SEC13P1	-4.85	1.37E-05	4.24E-05
RRAGC	0.66	1.37E-05	4.25E-05
RP5-1042K10.10	-3.38	1.37E-05	4.25E-05
ACTG1P10	-2.58	1.37E-05	4.26E-05
MRPL53P1	-3.67	1.37E-05	4.26E-05
RP11-641A6.3	-2.49	1.38E-05	4.28E-05
AP000889.1	-2.96	1.38E-05	4.28E-05
CNTFR-AS1	-5.05	1.38E-05	4.28E-05
ASB7	-0.55	1.38E-05	4.28E-05
RP11-272D12.2	-4.51	1.38E-05	4.29E-05
P2RY1	-0.78	1.38E-05	4.29E-05
PLEKHN1	0.93	1.39E-05	4.29E-05
RP11-53O19.2	-5.28	1.39E-05	4.29E-05
PPIAP22	0.91	1.39E-05	4.29E-05
TNFSF13	1.55	1.39E-05	4.30E-05

RP11-2B6.2	-2.77	1.39E-05	4.30E-05
BAALC-AS2	4.09	1.39E-05	4.31E-05
RP11-403A21.3	-4.41	1.39E-05	4.32E-05
GRIK1	-1.62	1.39E-05	4.32E-05
MTND2P2	-4.88	1.40E-05	4.32E-05
KRT18P4	-2.74	1.40E-05	4.32E-05
RP5-1056H1.2	-1.12	1.40E-05	4.33E-05
FANCI	-0.61	1.40E-05	4.33E-05
RP11-259O2.2	-2.51	1.40E-05	4.34E-05
RP11-40C6.2	-3.42	1.41E-05	4.35E-05
CD160	-1.87	1.41E-05	4.35E-05
AC064874.1	-4.98	1.41E-05	4.36E-05
RP11-484O2.1	-4.94	1.41E-05	4.36E-05
PLS3-AS1	-1.55	1.41E-05	4.36E-05
CECR3	-5.00	1.41E-05	4.36E-05
SUCLG1	0.74	1.41E-05	4.36E-05
AQP3	1.08	1.41E-05	4.37E-05
U4	-5.03	1.41E-05	4.37E-05
CTD-2047H16.4	-1.38	1.41E-05	4.37E-05
HSPE1P11	-4.77	1.41E-05	4.37E-05
PRICKLE1	1.36	1.41E-05	4.37E-05
RP11-345P4.7	-2.02	1.42E-05	4.38E-05
GABRB3	-2.67	1.42E-05	4.38E-05
EEF1A1P11	-1.27	1.42E-05	4.39E-05
EPHX3	0.85	1.42E-05	4.39E-05
STAB1	1.90	1.42E-05	4.39E-05
HLCS-IT1	-5.13	1.42E-05	4.40E-05
C8orf17	-5.17	1.42E-05	4.40E-05
KLF13	-0.59	1.43E-05	4.40E-05
SPRED3	1.17	1.43E-05	4.41E-05
TTYH2	1.04	1.43E-05	4.41E-05
RPL7L1P12	-4.12	1.43E-05	4.41E-05
SLC4A1	-4.01	1.43E-05	4.42E-05
COQ10A	0.91	1.43E-05	4.42E-05
PEX3	-0.73	1.44E-05	4.44E-05
VRK1	-0.58	1.44E-05	4.44E-05
TAS2R46	-4.11	1.44E-05	4.45E-05
KRT35	-6.72	1.44E-05	4.45E-05
LRTOMT	-0.83	1.45E-05	4.46E-05
STAG3	-1.30	1.45E-05	4.47E-05
RP11-278C7.1	-1.41	1.45E-05	4.47E-05
FUBP1	-0.58	1.45E-05	4.48E-05
SLC35A2	0.53	1.45E-05	4.48E-05
PVR	0.64	1.45E-05	4.48E-05
HOXA7	1.49	1.46E-05	4.50E-05

RP11-242D8.2	-5.06	1.46E-05	4.51E-05
RP4-752I6.1	-4.42	1.46E-05	4.51E-05
DGKG	-1.08	1.46E-05	4.51E-05
NDUFAF4P3	-2.14	1.47E-05	4.53E-05
MRAS	1.63	1.47E-05	4.53E-05
RPL21P23	-5.13	1.47E-05	4.53E-05
COX5BP3	-5.02	1.47E-05	4.53E-05
ERICH1	0.72	1.47E-05	4.53E-05
CUL2	-0.49	1.47E-05	4.54E-05
PGM5P1	-1.79	1.48E-05	4.56E-05
RP11-454F8.3	-5.09	1.48E-05	4.56E-05
FHAD1	3.53	1.48E-05	4.56E-05
RP11-87H9.4	-2.23	1.48E-05	4.57E-05
RNU6-260P	-5.17	1.48E-05	4.57E-05
BRF2	0.68	1.48E-05	4.57E-05
DDX42	0.31	1.48E-05	4.57E-05
SLC9A8	0.61	1.48E-05	4.57E-05
RP11-303E16.9	-2.97	1.48E-05	4.57E-05
AP004290.1	-4.69	1.49E-05	4.58E-05
BTF3	0.64	1.49E-05	4.58E-05
DGKQ	0.74	1.49E-05	4.58E-05
CTD-2260A17.3	-4.60	1.49E-05	4.59E-05
C6orf3	-1.05	1.50E-05	4.60E-05
AC126614.1	-5.17	1.50E-05	4.61E-05
TLN1	0.59	1.50E-05	4.63E-05
RPL7L1P3	-3.10	1.51E-05	4.64E-05
MEMO1P1	-1.43	1.51E-05	4.64E-05
FLJ27354	-1.38	1.51E-05	4.65E-05
RN7SKP163	-4.95	1.51E-05	4.65E-05
WAC-AS1	0.67	1.51E-05	4.65E-05
HVCN1	1.50	1.52E-05	4.67E-05
SLC5A3	-1.13	1.52E-05	4.68E-05
RP5-1092A3.4	-2.01	1.52E-05	4.68E-05
SMG6-IT1	-5.12	1.52E-05	4.68E-05
CC2D2B	-3.61	1.52E-05	4.68E-05
RP11-113A11.1	-4.99	1.53E-05	4.69E-05
ISG15	2.91	1.53E-05	4.69E-05
RN7SL381P	-4.06	1.53E-05	4.70E-05
TTC31	0.55	1.53E-05	4.70E-05
SNORA70F	-5.15	1.53E-05	4.71E-05
KRT20	-3.03	1.54E-05	4.72E-05
CTD-2044J15.1	-4.83	1.54E-05	4.72E-05
TMPRSS7	-2.69	1.54E-05	4.73E-05
DDIT4L	2.26	1.54E-05	4.74E-05
CDKL2	-3.37	1.54E-05	4.74E-05

ASB8	0.39	1.55E-05	4.75E-05
BMP8A	2.45	1.55E-05	4.75E-05
RNU2-42P	-5.06	1.55E-05	4.75E-05
RP11-3K24.3	-4.90	1.55E-05	4.76E-05
HLA-DPB1	1.23	1.56E-05	4.78E-05
ADM2	1.76	1.56E-05	4.78E-05
BMP7-AS1	-5.17	1.56E-05	4.79E-05
RNU7-79P	-4.99	1.56E-05	4.79E-05
NDUFAF4P1	-4.79	1.56E-05	4.79E-05
RPL7P18	3.57	1.56E-05	4.80E-05
ENPP2	1.03	1.57E-05	4.80E-05
CDK12	-0.44	1.57E-05	4.81E-05
DDX56	0.44	1.57E-05	4.81E-05
TBATA	-3.28	1.57E-05	4.81E-05
GPN2	0.41	1.57E-05	4.82E-05
AL353662.1	-4.94	1.57E-05	4.82E-05
SLC16A1	1.09	1.57E-05	4.82E-05
SRSF1	-0.48	1.57E-05	4.82E-05
ELOVL6	-1.11	1.57E-05	4.82E-05
SLC30A9	-0.57	1.58E-05	4.85E-05
WISP1	2.18	1.58E-05	4.85E-05
XLOC_013547	5.37	1.58E-05	4.86E-05
AAR2	0.53	1.59E-05	4.86E-05
CHODL-AS1	-2.64	1.59E-05	4.87E-05
CYFIP2	1.05	1.59E-05	4.87E-05
RP11-94C24.8	-2.33	1.59E-05	4.87E-05
RP11-107K17.2	-4.92	1.59E-05	4.88E-05
RP11-490N5.3	-5.11	1.59E-05	4.88E-05
RP11-403H13.1	-3.90	1.60E-05	4.89E-05
CTD-2006C1.12	-1.79	1.60E-05	4.89E-05
RP11-775J23.2	-3.89	1.60E-05	4.89E-05
SCNN1A	0.83	1.60E-05	4.89E-05
RP11-330L19.2	-5.01	1.60E-05	4.89E-05
ABHD2	-0.56	1.60E-05	4.89E-05
CREG2	3.19	1.60E-05	4.89E-05
SGCE	1.41	1.60E-05	4.90E-05
RP5-997D24.3	-5.27	1.60E-05	4.90E-05
RP11-35J10.6	-2.82	1.61E-05	4.92E-05
SUV39H1	0.70	1.62E-05	4.94E-05
G12578	-2.21	1.62E-05	4.95E-05
TTLL7-IT1	-5.34	1.62E-05	4.95E-05
RP11-436M15.1	-4.92	1.62E-05	4.96E-05
RP11-139H15.6	-2.81	1.62E-05	4.96E-05
CTB-73N10.1	-5.22	1.62E-05	4.97E-05
SYT14P1	-5.24	1.63E-05	4.97E-05

RPL23AP18	-4.86	1.63E-05	4.98E-05
CAPN15	0.75	1.63E-05	4.98E-05
G10909	-1.71	1.63E-05	4.99E-05
AC007556.3	-4.92	1.64E-05	5.00E-05
EREG	-1.62	1.64E-05	5.01E-05
RP11-511I11.2	-5.18	1.64E-05	5.01E-05
RP11-56B16.6	-4.84	1.64E-05	5.01E-05
NOL10	-0.40	1.64E-05	5.01E-05
CCDC93	-0.40	1.64E-05	5.02E-05
CEP164	0.70	1.64E-05	5.02E-05
RP11-119D9.1	-2.31	1.64E-05	5.02E-05
MIR181B2	-4.89	1.64E-05	5.02E-05
TRAPPC13	-0.63	1.65E-05	5.03E-05
C9orf16	0.84	1.65E-05	5.03E-05
CBY1	0.55	1.65E-05	5.04E-05
RP11-554I8.2	3.23	1.65E-05	5.05E-05
ASCL2	0.95	1.66E-05	5.06E-05
KDM3A	-0.64	1.66E-05	5.07E-05
TIGD4	-2.14	1.66E-05	5.07E-05
JDP2	0.77	1.66E-05	5.08E-05
GATS	-0.98	1.67E-05	5.08E-05
RGS9BP	-3.21	1.67E-05	5.08E-05
NUP160	-0.45	1.67E-05	5.09E-05
CTC-360G5.9	-1.59	1.67E-05	5.10E-05
KCNH1	2.30	1.67E-05	5.10E-05
DYNLT3	0.96	1.67E-05	5.10E-05
PGBD1	1.20	1.67E-05	5.10E-05
G2927	-4.85	1.67E-05	5.10E-05
FSTL4	-1.27	1.67E-05	5.11E-05
RP11-214K3.20	-3.35	1.68E-05	5.11E-05
G7527	-2.54	1.68E-05	5.11E-05
TNFSF13B	1.70	1.68E-05	5.11E-05
SFR1	0.58	1.68E-05	5.11E-05
TTK	-1.02	1.68E-05	5.12E-05
STX18	0.32	1.68E-05	5.12E-05
RP11-505K9.1	1.92	1.68E-05	5.13E-05
GATA2-AS1	2.56	1.68E-05	5.13E-05
AP000254.8	-0.95	1.68E-05	5.13E-05
RP11-640B6.1	-4.86	1.69E-05	5.13E-05
CH507-42P11.8	-3.58	1.69E-05	5.14E-05
RP11-298J20.3	-2.22	1.69E-05	5.14E-05
SLC35G6	-4.91	1.69E-05	5.15E-05
ING3	-0.50	1.69E-05	5.16E-05
RP11-173P15.9	-2.29	1.69E-05	5.16E-05
RHBDD1	-0.46	1.69E-05	5.16E-05

ULBP1	2.92	1.70E-05	5.17E-05
EBLN3	-0.45	1.70E-05	5.17E-05
RMDN3	0.60	1.70E-05	5.17E-05
CCDC151	2.22	1.70E-05	5.18E-05
SHROOM4	1.07	1.71E-05	5.20E-05
RP11-269G24.8	-5.04	1.71E-05	5.21E-05
RP11-531A24.7	-5.21	1.71E-05	5.21E-05
RP11-932O9.7	-3.94	1.72E-05	5.24E-05
ACOT9	0.75	1.72E-05	5.24E-05
SETDB1	-0.35	1.72E-05	5.24E-05
MIR576	-4.82	1.73E-05	5.25E-05
LINC00592	1.99	1.73E-05	5.26E-05
SNORD53_SNORD92	-4.25	1.73E-05	5.27E-05
AP000998.2	-3.05	1.73E-05	5.27E-05
LRRFIP2	-0.55	1.74E-05	5.28E-05
YY1AP1	-0.43	1.74E-05	5.28E-05
PCSK2	-1.50	1.74E-05	5.28E-05
G18345	-5.15	1.74E-05	5.29E-05
LCT	-4.00	1.74E-05	5.29E-05
CTBS	-0.70	1.74E-05	5.29E-05
CD247	1.56	1.74E-05	5.30E-05
CALN1	-1.68	1.75E-05	5.30E-05
CTA-407F11.7	-4.88	1.75E-05	5.31E-05
MAPRE1	0.56	1.75E-05	5.31E-05
ANXA2R	1.58	1.75E-05	5.32E-05
RP11-378J18.6	-4.77	1.76E-05	5.34E-05
RP11-668G10.2	-4.74	1.76E-05	5.34E-05
G13086	-2.27	1.76E-05	5.34E-05
ROBO2	-1.27	1.76E-05	5.34E-05
CTD-2337I7.1	-2.96	1.76E-05	5.35E-05
CEP57	-0.42	1.76E-05	5.35E-05
MRPS6P2	-4.90	1.76E-05	5.35E-05
SPRR4	-3.72	1.76E-05	5.35E-05
IKZF5	-0.60	1.76E-05	5.35E-05
CHL1	-1.50	1.77E-05	5.36E-05
NDNL2	0.58	1.77E-05	5.37E-05
CTD-3185P2.1	-1.61	1.77E-05	5.37E-05
TERF2	0.60	1.77E-05	5.37E-05
CTSF	0.81	1.78E-05	5.39E-05
G25089	-4.24	1.78E-05	5.40E-05
TCF4-AS2	-4.88	1.78E-05	5.40E-05
RNF220	0.45	1.78E-05	5.41E-05
VDAC3	0.51	1.79E-05	5.42E-05
PROCR	0.93	1.79E-05	5.42E-05
SCG5	2.02	1.79E-05	5.42E-05

RP11-182I10.1	-5.24	1.79E-05	5.42E-05
RPS6P16	-4.97	1.79E-05	5.43E-05
TMED7	-0.84	1.80E-05	5.45E-05
CTD-3065B20.2	-2.54	1.80E-05	5.45E-05
TMEM55A	-0.95	1.81E-05	5.48E-05
HRH1	0.98	1.81E-05	5.48E-05
RP5-1132H15.1	-2.73	1.81E-05	5.49E-05
BHLHB9	-0.69	1.81E-05	5.49E-05
ABL1	0.76	1.82E-05	5.50E-05
RNU4-78P	-4.63	1.82E-05	5.50E-05
AC021078.1	-5.13	1.82E-05	5.50E-05
RP11-293A21.2	-4.91	1.82E-05	5.51E-05
RP11-474L23.3	-5.14	1.82E-05	5.52E-05
AGBL3	-0.99	1.83E-05	5.53E-05
RP11-701H24.8	-4.69	1.83E-05	5.53E-05
ODF3	-4.86	1.84E-05	5.56E-05
UBP1	0.45	1.84E-05	5.56E-05
AC094019.4	-3.70	1.84E-05	5.57E-05
PHF2P2	-2.64	1.85E-05	5.58E-05
HSP90B1	0.80	1.85E-05	5.59E-05
DNAJC19P7	-5.21	1.86E-05	5.62E-05
RP1-85F18.6	-4.78	1.86E-05	5.62E-05
SFTPB	-5.02	1.86E-05	5.62E-05
AC000123.3	-2.06	1.86E-05	5.62E-05
COL28A1	-1.84	1.86E-05	5.62E-05
MTCO3P2	-4.93	1.86E-05	5.63E-05
SERINC3	-0.53	1.86E-05	5.63E-05
RP11-83B20.5	-5.20	1.86E-05	5.63E-05
RP11-197P3.5	-2.32	1.87E-05	5.65E-05
RPSA	0.66	1.87E-05	5.65E-05
PSG7	-2.21	1.87E-05	5.66E-05
RTP4	1.98	1.87E-05	5.66E-05
ADAMTS18	2.91	1.87E-05	5.67E-05
UCKL1-AS1	-2.79	1.88E-05	5.67E-05
ZNF135	-0.97	1.88E-05	5.68E-05
WFDC12	2.02	1.88E-05	5.68E-05
AC010980.2	1.97	1.88E-05	5.68E-05
RP11-247A12.2	2.40	1.88E-05	5.68E-05
NR4A2	1.14	1.89E-05	5.70E-05
AC078864.2	-4.85	1.89E-05	5.70E-05
RPL7AP10	-2.24	1.89E-05	5.70E-05
LCE2A	1.67	1.89E-05	5.71E-05
RN7SL430P	-5.01	1.89E-05	5.71E-05
RP4-791M13.4	-4.85	1.89E-05	5.71E-05
PCDHGB5	-0.73	1.89E-05	5.72E-05

PDLIM3	1.17	1.90E-05	5.72E-05
RP11-207C16.4	-4.99	1.90E-05	5.73E-05
ITGAE	0.59	1.91E-05	5.76E-05
RNU4-35P	-4.88	1.91E-05	5.76E-05
NOD1	0.66	1.91E-05	5.77E-05
SKP1	-0.48	1.92E-05	5.78E-05
LYSMD2	0.77	1.92E-05	5.79E-05
RP11-553D4.2	-4.88	1.92E-05	5.80E-05
EIF4A2P2	-4.01	1.93E-05	5.81E-05
GRM4	3.84	1.93E-05	5.82E-05
STARD13-IT1	-5.10	1.93E-05	5.83E-05
GAPDHP61	-4.25	1.94E-05	5.84E-05
CTD-2201E9.2	-4.99	1.94E-05	5.84E-05
AC091132.1	-2.87	1.94E-05	5.84E-05
NCOA7-AS1	-5.14	1.94E-05	5.85E-05
FBXO44	0.93	1.95E-05	5.87E-05
SNORA57	-4.75	1.95E-05	5.87E-05
HMGB3P14	-2.77	1.95E-05	5.88E-05
PRO1804	-2.11	1.95E-05	5.89E-05
FAM222A-AS1	-4.90	1.96E-05	5.90E-05
PIK3IP1	1.00	1.96E-05	5.90E-05
RP11-401P9.1	-4.63	1.96E-05	5.90E-05
G3405	-4.74	1.96E-05	5.91E-05
SLC38A3	3.61	1.96E-05	5.92E-05
RP13-635I23.3	-5.08	1.97E-05	5.92E-05
ZSWIM6	0.49	1.97E-05	5.93E-05
LRRC40	-0.67	1.97E-05	5.93E-05
ARHGEF40	0.96	1.97E-05	5.94E-05
MIR571	-4.83	1.97E-05	5.94E-05
SDHCP3	-4.73	1.97E-05	5.94E-05
USP17L7	-5.28	1.97E-05	5.94E-05
TEN1	-4.98	1.98E-05	5.95E-05
RRP15	-0.54	1.98E-05	5.95E-05
DIRAS2	-1.81	1.98E-05	5.97E-05
RP11-305O4.3	-4.95	1.99E-05	5.97E-05
CHCHD4P5	-5.13	1.99E-05	5.98E-05
AC108218.1	-5.10	1.99E-05	5.98E-05
G25302	-5.34	1.99E-05	5.99E-05
AC019186.1	-3.44	1.99E-05	5.99E-05
PHF2	0.32	1.99E-05	5.99E-05
XYLT1	-0.68	1.99E-05	5.99E-05
LENEP	-4.87	1.99E-05	5.99E-05
XLOC_008642	-3.44	1.99E-05	5.99E-05
RNU6-652P	-2.49	2.00E-05	6.02E-05
C2orf88	-1.18	2.01E-05	6.04E-05

CHFR	0.41	2.01E-05	6.04E-05
L3MBTL1	-1.38	2.01E-05	6.05E-05
ZNF471	-1.00	2.01E-05	6.05E-05
TCEB1P19	-2.18	2.01E-05	6.05E-05
MYH16	-2.38	2.01E-05	6.05E-05
SNORA24	-4.91	2.02E-05	6.06E-05
NRIP1	-0.69	2.02E-05	6.07E-05
LINC00853	2.72	2.03E-05	6.09E-05
TLE1	0.56	2.03E-05	6.10E-05
PNRC1	-0.63	2.04E-05	6.12E-05
NCF1	2.48	2.04E-05	6.12E-05
KRT31	-1.66	2.04E-05	6.12E-05
AC009303.2	2.32	2.05E-05	6.14E-05
KIF26B	1.24	2.05E-05	6.16E-05
IL1R2	-1.67	2.05E-05	6.16E-05
RNF19A	-0.53	2.06E-05	6.17E-05
METTL3	-0.71	2.06E-05	6.18E-05
ARFGEF3	-1.54	2.06E-05	6.19E-05
LINC01612	-6.36	2.06E-05	6.20E-05
SH3GL1P2	-3.34	2.07E-05	6.20E-05
AC092614.2	2.96	2.07E-05	6.22E-05
C1orf194	-3.55	2.08E-05	6.23E-05
CTB-174O21.2	-4.66	2.08E-05	6.23E-05
DYNC1I2	0.55	2.08E-05	6.24E-05
USP13	-0.53	2.08E-05	6.24E-05
MIR5692A1	-4.88	2.08E-05	6.25E-05
RP11-98C1.2	-4.66	2.09E-05	6.27E-05
PON3	-1.35	2.09E-05	6.27E-05
CADM2	-1.97	2.10E-05	6.29E-05
ARNTL2-AS1	-3.08	2.10E-05	6.29E-05
HNF4A	-4.65	2.10E-05	6.30E-05
PIAS3	0.62	2.10E-05	6.30E-05
RN7SL418P	-5.00	2.11E-05	6.31E-05
RNA5SP88	-4.90	2.11E-05	6.32E-05
LAG3	1.89	2.11E-05	6.32E-05
SUOX	1.05	2.11E-05	6.33E-05
FAM58A	0.62	2.12E-05	6.35E-05
RP11-395N21.2	-4.63	2.12E-05	6.35E-05
AC007969.5	1.20	2.12E-05	6.35E-05
LDB1	0.66	2.12E-05	6.35E-05
ZBTB8OSP1	-5.15	2.12E-05	6.35E-05
JMJD8	0.56	2.12E-05	6.35E-05
ITGAV	-0.77	2.12E-05	6.36E-05
ZNF790-AS1	-1.12	2.13E-05	6.37E-05
ZSWIM8	0.58	2.13E-05	6.37E-05

LA16c-329F2.1	-4.83	2.13E-05	6.38E-05
RP11-506N2.1	-5.53	2.13E-05	6.38E-05
PSME4	-0.54	2.13E-05	6.38E-05
RP11-494O16.4	-4.88	2.14E-05	6.39E-05
GZMA	2.55	2.14E-05	6.40E-05
MIR4729	-4.96	2.14E-05	6.41E-05
RP11-711M9.2	-5.13	2.14E-05	6.41E-05
RP11-158L12.4	-1.47	2.15E-05	6.42E-05
PCBP2P1	-3.87	2.15E-05	6.42E-05
MIR5581	-4.66	2.15E-05	6.42E-05
CTD-2146O16.1	-5.10	2.15E-05	6.43E-05
DTX2	0.91	2.16E-05	6.45E-05
ORAI3	0.65	2.16E-05	6.45E-05
AL138751.1	-5.03	2.16E-05	6.45E-05
PLEKHG1	-0.64	2.16E-05	6.47E-05
CTD-2619J13.8	2.55	2.17E-05	6.47E-05
COL1A2	2.54	2.17E-05	6.49E-05
CLCN2	0.99	2.17E-05	6.50E-05
LACTB2-AS1	-2.00	2.18E-05	6.50E-05
PRKAG2	0.49	2.18E-05	6.50E-05
BACE1	0.52	2.18E-05	6.51E-05
SNORA60	-2.72	2.18E-05	6.52E-05
NDUFA3P1	-5.07	2.18E-05	6.52E-05
RP11-298C2.1	-3.10	2.19E-05	6.53E-05
CHAD	-1.53	2.19E-05	6.54E-05
CDHR2	-1.87	2.19E-05	6.55E-05
NPM1P9	-5.02	2.20E-05	6.56E-05
THRB-AS1	-1.93	2.20E-05	6.56E-05
NXPH3	1.71	2.20E-05	6.57E-05
PADI4	-5.22	2.20E-05	6.57E-05
TBC1D23	-0.61	2.20E-05	6.58E-05
FRG1	0.70	2.21E-05	6.59E-05
KRT8P12	0.92	2.21E-05	6.59E-05
FAM136A	0.41	2.21E-05	6.59E-05
RP11-573E11.2	-5.21	2.21E-05	6.60E-05
TMEM75	-3.87	2.22E-05	6.61E-05
RNU1-120P	-3.76	2.22E-05	6.63E-05
CARD16	1.15	2.23E-05	6.64E-05
CTC-338M12.6	-2.79	2.23E-05	6.64E-05
POMT1	0.67	2.23E-05	6.64E-05
CCR1	2.40	2.23E-05	6.64E-05
Z85986.1	-5.10	2.23E-05	6.65E-05
CCL24	2.87	2.23E-05	6.66E-05
RP11-767C1.2	-1.70	2.24E-05	6.68E-05
TYR	-1.54	2.24E-05	6.68E-05

RP11-404P21.5	-3.11	2.26E-05	6.72E-05
ARHGEF3-AS1	-4.87	2.26E-05	6.72E-05
RP11-89N17.4	-4.67	2.26E-05	6.74E-05
CTD-2516F10.2	-1.62	2.26E-05	6.74E-05
FPR1	2.58	2.27E-05	6.75E-05
RP11-21B21.4	-3.20	2.28E-05	6.78E-05
C7orf71	-4.75	2.28E-05	6.78E-05
RP11-325L12.3	-4.86	2.28E-05	6.79E-05
AC018804.6	3.03	2.29E-05	6.81E-05
MAP3K19	-4.61	2.29E-05	6.81E-05
RP11-320L11.2	-1.20	2.29E-05	6.81E-05
NRL	1.15	2.29E-05	6.82E-05
GS1-25M2.1	-4.96	2.29E-05	6.83E-05
RP11-118F19.1	-2.50	2.30E-05	6.83E-05
TMEM261	0.69	2.30E-05	6.84E-05
RP11-489G11.3	-3.98	2.30E-05	6.84E-05
RPL7P21	-3.29	2.30E-05	6.84E-05
UBAC1	0.41	2.30E-05	6.84E-05
OSBPL9P4	-5.07	2.30E-05	6.85E-05
NSRP1P1	2.16	2.30E-05	6.85E-05
EIF3D	0.48	2.30E-05	6.85E-05
MOGAT1	-5.19	2.30E-05	6.85E-05
DNASE2	0.66	2.31E-05	6.86E-05
COX10	0.47	2.31E-05	6.86E-05
SUMO2P8	-4.63	2.31E-05	6.87E-05
SNORD116-23	-5.45	2.32E-05	6.89E-05
RP11-310J24.3	-5.06	2.32E-05	6.89E-05
RN7SL805P	-2.46	2.32E-05	6.89E-05
RNU6-846P	-5.16	2.32E-05	6.90E-05
RP11-367G18.1	-0.92	2.33E-05	6.91E-05
SYN1	2.25	2.33E-05	6.92E-05
G24559	-2.17	2.33E-05	6.93E-05
S1PR5	0.75	2.33E-05	6.94E-05
GLCE	-0.76	2.34E-05	6.94E-05
COQ5	0.57	2.34E-05	6.94E-05
C9	-2.69	2.34E-05	6.96E-05
WDR59	0.55	2.34E-05	6.96E-05
RNU6-522P	-4.94	2.34E-05	6.96E-05
RNF31	0.68	2.34E-05	6.96E-05
HPCA	-2.30	2.36E-05	7.00E-05
IDO2	-3.99	2.36E-05	7.00E-05
RPLP0P6	-0.82	2.36E-05	7.00E-05
RP11-239C9.1	-5.33	2.36E-05	7.02E-05
GNAI1	-0.71	2.36E-05	7.02E-05
RP11-64K7.1	-5.06	2.37E-05	7.03E-05

NTF4	1.10	2.37E-05	7.04E-05
RPS26P21	-4.73	2.37E-05	7.04E-05
SLC39A11	0.59	2.38E-05	7.05E-05
CH17-373J23.1	-3.41	2.38E-05	7.07E-05
RSF1-IT2	-2.58	2.38E-05	7.07E-05
POLD4	0.85	2.38E-05	7.07E-05
GZMB	1.97	2.38E-05	7.07E-05
KISS1R	3.19	2.38E-05	7.07E-05
CABP4	1.86	2.39E-05	7.09E-05
SKIV2L2	-0.58	2.40E-05	7.13E-05
PCDHGA7	-0.94	2.40E-05	7.13E-05
ETV1	2.15	2.41E-05	7.13E-05
RP11-627K11.6	-4.69	2.41E-05	7.14E-05
SRGAP2	-0.59	2.41E-05	7.14E-05
RNF212B	-2.12	2.41E-05	7.15E-05
AC069282.6	-1.09	2.42E-05	7.16E-05
RP3-429O6.1	-5.92	2.42E-05	7.16E-05
RBM41	-0.49	2.42E-05	7.16E-05
KLHL2	0.48	2.42E-05	7.18E-05
RP11-128N14.4	-4.57	2.42E-05	7.18E-05
AL591377.1	-4.89	2.43E-05	7.19E-05
SH2D3A	0.82	2.43E-05	7.21E-05
SH3BP4	0.49	2.44E-05	7.21E-05
RP11-401L13.4	-4.93	2.44E-05	7.23E-05
BDKRB2	0.86	2.44E-05	7.23E-05
RP5-836N17.4	-4.56	2.44E-05	7.23E-05
GRIFIN	-4.64	2.45E-05	7.26E-05
AC018462.2	-1.70	2.45E-05	7.27E-05
MTURN	-0.66	2.46E-05	7.28E-05
CTC-458I2.2	-2.58	2.46E-05	7.29E-05
AC009518.8	-4.15	2.46E-05	7.29E-05
ELMOD1	-1.35	2.47E-05	7.29E-05
OGG1	0.82	2.47E-05	7.30E-05
IMMP1LP1	-2.54	2.47E-05	7.30E-05
CCL8	3.93	2.47E-05	7.30E-05
FAM83A-AS1	2.29	2.47E-05	7.30E-05
ZFP1	-0.69	2.47E-05	7.31E-05
RP5-1073F15.1	-4.86	2.48E-05	7.32E-05
RP11-677M14.6	-3.55	2.48E-05	7.34E-05
G16028	-2.67	2.49E-05	7.35E-05
TRPV6	-1.51	2.50E-05	7.39E-05
FAM102B	-0.71	2.50E-05	7.40E-05
CYP26A1	7.51	2.51E-05	7.41E-05
RP11-85K15.3	-1.89	2.51E-05	7.43E-05
LYG2	-3.88	2.52E-05	7.44E-05

ARPC1A	0.49	2.52E-05	7.45E-05
PYGO1	-1.04	2.52E-05	7.46E-05
KLHL9	-0.45	2.53E-05	7.46E-05
CTD-2381F24.1	-3.98	2.53E-05	7.48E-05
NFATC1	0.99	2.54E-05	7.49E-05
RNU6-633P	-4.88	2.54E-05	7.49E-05
SCO2	0.87	2.55E-05	7.52E-05
HIST2H4B	-4.44	2.55E-05	7.52E-05
POLHP1	-4.54	2.55E-05	7.54E-05
CTB-20D2.1	-5.26	2.55E-05	7.54E-05
RP11-117L5.3	-4.80	2.56E-05	7.55E-05
MIR5692A2	-4.80	2.56E-05	7.55E-05
CHMP7	0.48	2.56E-05	7.56E-05
XLOC_005041	-2.96	2.56E-05	7.56E-05
LY86	1.95	2.56E-05	7.56E-05
RP11-567L7.3	-4.00	2.57E-05	7.59E-05
CTD-2626G11.2	-1.81	2.57E-05	7.59E-05
SMARCAL1	0.56	2.57E-05	7.59E-05
OR5E1P	-3.23	2.58E-05	7.60E-05
TAS2R20	-2.19	2.58E-05	7.61E-05
RP4-539M6.21	-4.95	2.58E-05	7.62E-05
RP11-534L20.5	-2.75	2.59E-05	7.62E-05
HTRA3	2.08	2.59E-05	7.63E-05
DNAJC28	-0.77	2.59E-05	7.64E-05
C16orf59	1.19	2.60E-05	7.66E-05
ANKRD13C	-0.63	2.61E-05	7.69E-05
RP11-397P13.7	-3.25	2.61E-05	7.69E-05
KIF3B	0.47	2.61E-05	7.69E-05
GLB1L3	1.04	2.61E-05	7.70E-05
RP11-481F24.3	-2.95	2.61E-05	7.70E-05
MAPRE3	0.60	2.61E-05	7.70E-05
CDKN2C	0.64	2.62E-05	7.71E-05
RP11-723O4.7	-3.62	2.62E-05	7.71E-05
MS4A4A	2.42	2.62E-05	7.71E-05
LPCAT3	0.76	2.62E-05	7.72E-05
NAALADL2	-1.11	2.62E-05	7.73E-05
RP1-168P16.2	-3.34	2.63E-05	7.74E-05
RP11-18B3.2	-4.67	2.63E-05	7.75E-05
KCTD3	-0.43	2.63E-05	7.76E-05
RP11-47J17.3	-5.18	2.64E-05	7.76E-05
LRRN4	-3.21	2.64E-05	7.78E-05
THSD1	0.90	2.65E-05	7.80E-05
AC010733.5	-1.43	2.65E-05	7.80E-05
SLF1	-0.60	2.65E-05	7.80E-05
RP11-195F19.30	-2.58	2.65E-05	7.80E-05

GALNT5	2.00	2.65E-05	7.81E-05
REEP2	1.53	2.66E-05	7.84E-05
MAF	0.61	2.66E-05	7.84E-05
TMEM88	2.38	2.67E-05	7.84E-05
G1862	-2.31	2.67E-05	7.84E-05
OR7M1P	-3.47	2.67E-05	7.85E-05
VGLL3	-1.21	2.67E-05	7.85E-05
KCNN4	2.82	2.67E-05	7.86E-05
RP11-219D15.3	-2.85	2.68E-05	7.87E-05
RP4-564F22.7	-3.19	2.68E-05	7.87E-05
TMEM167A	-0.66	2.68E-05	7.88E-05
RPL13P4	-4.69	2.68E-05	7.89E-05
OR2A1-AS1	-1.77	2.68E-05	7.89E-05
YIPF1	0.50	2.69E-05	7.89E-05
MIR5579	-4.89	2.69E-05	7.90E-05
RP5-882C2.2	1.20	2.69E-05	7.91E-05
AC005042.4	-1.48	2.70E-05	7.93E-05
C1orf146	-4.48	2.70E-05	7.94E-05
CDRT4	-2.51	2.72E-05	7.99E-05
HLA-A	1.08	2.73E-05	8.02E-05
XLOC_013506	-2.11	2.74E-05	8.04E-05
RP11-47I22.1	-2.01	2.74E-05	8.05E-05
NUTM2G	-1.55	2.74E-05	8.05E-05
RNU6-444P	-5.02	2.75E-05	8.07E-05
RP13-735L24.1	-1.69	2.75E-05	8.07E-05
THG1L	0.63	2.75E-05	8.08E-05
FAM135B	-4.59	2.76E-05	8.09E-05
AC011247.3	-3.42	2.76E-05	8.10E-05
TEPP	2.89	2.77E-05	8.12E-05
RP11-165F24.3	-1.76	2.77E-05	8.13E-05
RP11-737O24.2	-4.82	2.79E-05	8.19E-05
PIGT	0.72	2.79E-05	8.19E-05
SOD1	0.72	2.79E-05	8.19E-05
RP13-1016M1.2	4.72	2.79E-05	8.20E-05
STEAP1B	2.36	2.80E-05	8.20E-05
AC060226.1	-5.20	2.80E-05	8.20E-05
RP11-158M2.5	-3.35	2.80E-05	8.20E-05
PDE7A	0.84	2.80E-05	8.21E-05
ZNRD1	0.65	2.80E-05	8.22E-05
FZD4	1.25	2.81E-05	8.24E-05
C3	2.53	2.81E-05	8.25E-05
LINC01547	1.16	2.83E-05	8.29E-05
RPL7AP30	-1.53	2.83E-05	8.30E-05
RP11-143K11.7	-3.96	2.83E-05	8.30E-05
GPR155	-0.69	2.83E-05	8.30E-05

RP11-403I13.4	-3.30	2.83E-05	8.30E-05
G40462	3.14	2.84E-05	8.32E-05
PLAA	-0.48	2.84E-05	8.32E-05
CTD-2544H17.1	-5.33	2.85E-05	8.35E-05
SERGEF	0.45	2.85E-05	8.36E-05
POU3F1	0.83	2.85E-05	8.36E-05
NHSL1	-0.52	2.86E-05	8.37E-05
SOX9	1.80	2.86E-05	8.38E-05
RP11-113I22.1	-5.27	2.86E-05	8.38E-05
RP11-225B17.2	1.34	2.86E-05	8.38E-05
LINC00472	-1.87	2.86E-05	8.38E-05
CASP6	0.65	2.86E-05	8.38E-05
MIR5009	-4.82	2.86E-05	8.39E-05
RP11-15L13.4	-2.40	2.87E-05	8.39E-05
RP11-216B9.8	-5.06	2.87E-05	8.39E-05
RP11-26J3.3	-0.96	2.87E-05	8.39E-05
TBK1	-0.55	2.87E-05	8.41E-05
RP11-161H23.10	-3.00	2.88E-05	8.41E-05
APTR	0.65	2.88E-05	8.41E-05
MIRLET7BHG	-1.49	2.88E-05	8.42E-05
PDHX	-0.59	2.88E-05	8.42E-05
RP11-782C8.5	-3.32	2.88E-05	8.43E-05
AC002467.7	1.31	2.88E-05	8.44E-05
DMBX1	-5.82	2.89E-05	8.44E-05
NR2C2AP	0.65	2.89E-05	8.44E-05
GNAO1	1.07	2.89E-05	8.44E-05
TRNAU1AP	0.49	2.89E-05	8.45E-05
EMC3	0.47	2.89E-05	8.45E-05
S100PBP	-0.49	2.89E-05	8.45E-05
MIR4505	-4.52	2.89E-05	8.46E-05
ATP5L2	-2.76	2.89E-05	8.46E-05
PEF1	0.39	2.90E-05	8.48E-05
GLRA1	-4.94	2.90E-05	8.48E-05
XLOC_007800	-3.38	2.91E-05	8.50E-05
CARF	-0.75	2.92E-05	8.52E-05
ZNF92P3	-2.94	2.92E-05	8.53E-05
BATF3	2.35	2.92E-05	8.53E-05
APOOL	-0.68	2.92E-05	8.53E-05
RNY4P17	-3.79	2.92E-05	8.54E-05
PAIP1P1	-2.00	2.93E-05	8.55E-05
XLOC_008269	-4.70	2.93E-05	8.55E-05
TMEM14C	0.67	2.93E-05	8.55E-05
NUP50	-0.42	2.93E-05	8.56E-05
G35698	-1.61	2.93E-05	8.56E-05
TPST2P1	-4.83	2.94E-05	8.58E-05

USP17L2	-5.10	2.94E-05	8.58E-05
ZSCAN22	-0.67	2.95E-05	8.60E-05
BACH1-IT3	-4.58	2.95E-05	8.60E-05
RNF138P1	-4.74	2.95E-05	8.60E-05
SCML1	-0.74	2.95E-05	8.60E-05
AC013429.5	-4.94	2.95E-05	8.60E-05
DHRS4	0.96	2.95E-05	8.60E-05
RP11-417E7.2	4.72	2.95E-05	8.61E-05
CTD-2017C7.3	-4.93	2.96E-05	8.62E-05
CTC-325H20.8	-5.12	2.96E-05	8.63E-05
COPZ1	0.51	2.98E-05	8.68E-05
SNORD72	-4.02	2.98E-05	8.68E-05
GSC	3.21	2.98E-05	8.70E-05
EMBP1	-1.89	2.98E-05	8.70E-05
FAM89A	0.92	2.98E-05	8.70E-05
RP11-325L12.6	4.20	2.99E-05	8.71E-05
FBXO11	-0.41	3.00E-05	8.73E-05
AP001055.6	2.38	3.00E-05	8.73E-05
PSG9	-4.63	3.00E-05	8.74E-05
RANP3	-4.62	3.00E-05	8.75E-05
C16orf62	0.32	3.02E-05	8.78E-05
MRPL23	0.51	3.02E-05	8.80E-05
ZNF350-AS1	-2.98	3.02E-05	8.81E-05
SLC44A4	2.70	3.03E-05	8.83E-05
AC011431.1	-5.12	3.03E-05	8.83E-05
C17orf80	-0.52	3.03E-05	8.83E-05
AC016738.4	-2.60	3.04E-05	8.84E-05
AGFG2	-0.49	3.04E-05	8.85E-05
RP5-943J3.2	2.42	3.04E-05	8.86E-05
ZNF100	-0.90	3.05E-05	8.87E-05
RP11-90L1.8	1.05	3.05E-05	8.87E-05
RPS15AP12	-3.09	3.05E-05	8.88E-05
AC012065.5	-4.00	3.06E-05	8.90E-05
RP3-355L5.3	-4.53	3.06E-05	8.90E-05
SFRP2	2.56	3.06E-05	8.90E-05
MIR1255A	-5.04	3.06E-05	8.90E-05
ADAM8	1.29	3.06E-05	8.91E-05
RAB3IP	-0.86	3.07E-05	8.92E-05
RP3-406A7.5	-4.54	3.07E-05	8.93E-05
ATP6V1B2	0.51	3.07E-05	8.93E-05
RP11-100G15.3	-4.32	3.08E-05	8.94E-05
RP11-2J18.1	-2.19	3.08E-05	8.95E-05
RP11-689P11.3	-4.51	3.08E-05	8.95E-05
ARHGAP17	0.78	3.08E-05	8.96E-05
RP11-178L8.9	-2.30	3.09E-05	8.97E-05

ENY2	0.52	3.09E-05	8.98E-05
PPIAP2	-4.76	3.10E-05	9.00E-05
CR1	2.71	3.10E-05	9.00E-05
VAX2	3.36	3.10E-05	9.00E-05
ASB6	0.51	3.10E-05	9.00E-05
ZNF385D-AS2	-6.14	3.10E-05	9.00E-05
GNG5	0.53	3.10E-05	9.00E-05
SLC13A4	-1.28	3.10E-05	9.01E-05
C1orf158	-6.48	3.11E-05	9.02E-05
RP11-276H1.3	-2.98	3.11E-05	9.04E-05
GTF2IP4	-0.90	3.11E-05	9.04E-05
LARP4B	-0.50	3.12E-05	9.05E-05
AP000462.3	-4.90	3.12E-05	9.05E-05
SNORD59A	-3.38	3.13E-05	9.08E-05
RP11-631N16.2	-1.21	3.13E-05	9.08E-05
UCP2	1.45	3.13E-05	9.09E-05
RP11-411G7.2	-5.09	3.13E-05	9.09E-05
RORB	-2.09	3.13E-05	9.09E-05
XLOC_004631	4.92	3.13E-05	9.09E-05
CDC42EP2	1.24	3.14E-05	9.12E-05
IZUMO1	-2.34	3.14E-05	9.12E-05
RNU1-100P	-5.01	3.15E-05	9.13E-05
MTND5P2	-4.90	3.15E-05	9.14E-05
GAPDHP60	-3.17	3.15E-05	9.15E-05
FOPNL	-0.69	3.15E-05	9.15E-05
PVRL1	0.87	3.16E-05	9.16E-05
CYP2J2	-1.32	3.16E-05	9.16E-05
RP11-486P11.1	-4.65	3.17E-05	9.18E-05
HSD3BP4	-3.51	3.17E-05	9.18E-05
GPR174	-3.22	3.18E-05	9.20E-05
STRAP	0.59	3.18E-05	9.21E-05
RPL31P52	-4.42	3.19E-05	9.23E-05
THSD7A	1.15	3.19E-05	9.24E-05
NCAPG	-0.91	3.19E-05	9.24E-05
BAG1	0.52	3.19E-05	9.25E-05
ENPP7P10	-3.66	3.20E-05	9.26E-05
RP11-67K19.3	-5.00	3.20E-05	9.28E-05
ITPKB-AS1	-4.83	3.21E-05	9.29E-05
SPATA20P1	5.52	3.21E-05	9.30E-05
AATK	1.28	3.21E-05	9.30E-05
UACA	0.65	3.21E-05	9.31E-05
NDUFB8P2	-4.78	3.22E-05	9.32E-05
XIST	-4.63	3.22E-05	9.32E-05
AC002551.1	-4.73	3.22E-05	9.33E-05
RPL7P46	-4.70	3.22E-05	9.34E-05

CCDC28A	0.58	3.23E-05	9.34E-05
CBR4	-0.56	3.23E-05	9.34E-05
RP11-409K20.6	-4.91	3.23E-05	9.35E-05
NPTXR	1.20	3.23E-05	9.35E-05
G29699	-3.81	3.24E-05	9.39E-05
AF011889.5	-2.32	3.25E-05	9.39E-05
RP11-5G9.5	-2.07	3.25E-05	9.41E-05
CMAS	0.56	3.25E-05	9.41E-05
ANAPC7	0.52	3.25E-05	9.41E-05
RP11-70D24.1	-2.52	3.27E-05	9.45E-05
MRPL50	-0.59	3.27E-05	9.46E-05
KRT19	3.89	3.27E-05	9.46E-05
G25248	-2.14	3.27E-05	9.46E-05
MIR1296	-4.79	3.28E-05	9.47E-05
DAGLA	1.74	3.28E-05	9.48E-05
ZNF516	-0.49	3.28E-05	9.48E-05
RP11-326I11.5	-1.86	3.28E-05	9.49E-05
FAM106DP	-4.88	3.28E-05	9.49E-05
RP11-447H19.4	-4.86	3.29E-05	9.51E-05
SNORD127	-4.99	3.30E-05	9.52E-05
BRIX1	-0.57	3.30E-05	9.52E-05
RP11-103J8.1	-4.50	3.30E-05	9.52E-05
TFAP2A-AS1	-1.38	3.30E-05	9.53E-05
AR	-1.19	3.30E-05	9.53E-05
FYN	0.69	3.31E-05	9.55E-05
RPL23AP83	-4.65	3.31E-05	9.55E-05
TPM1	1.07	3.31E-05	9.55E-05
C17orf99	2.59	3.31E-05	9.55E-05
EFCAB10	-1.79	3.31E-05	9.56E-05
PGM3	-0.50	3.31E-05	9.56E-05
HHIP	-3.61	3.31E-05	9.56E-05
ANKRD13B	1.05	3.32E-05	9.57E-05
MARVELD3	0.96	3.33E-05	9.61E-05
PAX8-AS1	-2.33	3.34E-05	9.63E-05
DGKD	0.80	3.34E-05	9.64E-05
RP11-106E7.1	-4.71	3.35E-05	9.66E-05
WISP3	1.40	3.36E-05	9.68E-05
RP11-423H2.1	1.44	3.36E-05	9.69E-05
ZHX1	-0.68	3.36E-05	9.69E-05
PLEKHG4	0.90	3.36E-05	9.70E-05
SNRPG	0.78	3.37E-05	9.71E-05
RP11-1B20.1	-4.81	3.37E-05	9.71E-05
RP11-354P11.8	-4.77	3.37E-05	9.71E-05
AC019070.1	-5.07	3.37E-05	9.72E-05
EAF2	1.38	3.38E-05	9.73E-05

CPEB2	-0.79	3.38E-05	9.75E-05
PRKAB2	-0.66	3.39E-05	9.76E-05
CYB561	0.53	3.39E-05	9.78E-05
RP11-296O14.2	-4.80	3.40E-05	9.80E-05
MT1A	2.82	3.40E-05	9.81E-05
AF064858.8	-1.59	3.41E-05	9.82E-05
CH17-340M24.3	1.56	3.41E-05	9.83E-05
ETAA1	-0.53	3.42E-05	9.86E-05
TOR1B	0.50	3.42E-05	9.86E-05
AC004893.10	-3.96	3.43E-05	9.87E-05
UBQLN2	0.52	3.43E-05	9.88E-05
CEACAM21	3.09	3.43E-05	9.89E-05
TGIF1P1	-4.54	3.44E-05	9.89E-05
SGSM2	0.85	3.44E-05	9.90E-05
CTBP1-AS	-1.70	3.44E-05	9.90E-05
GPBP1L1	-0.49	3.44E-05	9.91E-05
PRC1-AS1	-2.45	3.44E-05	9.91E-05
NEK9	0.39	3.45E-05	9.92E-05
PRRT2	2.92	3.45E-05	9.94E-05
TPSB2	2.58	3.45E-05	9.94E-05
RP11-705C15.2	-1.24	3.45E-05	9.94E-05
TNF	-1.32	3.46E-05	9.94E-05
FBXL17	-0.47	3.46E-05	9.94E-05
CTB-178M22.1	-4.70	3.46E-05	9.95E-05
RP11-337A23.5	-4.36	3.46E-05	9.95E-05
CTD-2651B20.4	-4.84	3.47E-05	9.99E-05
RP11-35G22.1	-2.25	3.48E-05	1.00E-04
RP11-371E8.4	-4.67	3.48E-05	1.00E-04
RP11-97C16.1	-1.23	3.48E-05	1.00E-04
RP11-174F8.1	-4.79	3.49E-05	1.00E-04
RP11-481G8.2	-4.70	3.49E-05	1.00E-04
THRB	-0.71	3.49E-05	1.00E-04
STK39	1.01	3.50E-05	1.00E-04
TMEM256P2	-4.69	3.50E-05	1.01E-04
ARHGAP33	1.90	3.50E-05	1.01E-04
NAPRT	0.88	3.51E-05	1.01E-04
RP11-864N7.2	-1.41	3.51E-05	1.01E-04
XLOC_009724	-4.90	3.51E-05	1.01E-04
RP4-777O23.2	-4.58	3.51E-05	1.01E-04
RPS3AP5	-2.00	3.51E-05	1.01E-04
KCNRG	-1.70	3.52E-05	1.01E-04
RP11-686O6.2	0.98	3.52E-05	1.01E-04
RP11-424M24.3	-4.55	3.54E-05	1.02E-04
NANOS1	0.92	3.54E-05	1.02E-04
PPM1M	0.77	3.54E-05	1.02E-04

G35257	-2.52	3.54E-05	1.02E-04
RP11-575L7.8	-3.39	3.55E-05	1.02E-04
TC2N	-0.59	3.55E-05	1.02E-04
WHAMM	0.45	3.55E-05	1.02E-04
PDE4B	1.19	3.55E-05	1.02E-04
LINC00933	1.20	3.56E-05	1.02E-04
ANTXR1	0.80	3.57E-05	1.02E-04
RP11-64D24.2	-4.87	3.57E-05	1.02E-04
DKK3	0.79	3.60E-05	1.03E-04
RP11-498C9.4	-4.08	3.60E-05	1.03E-04
NDFIP1	0.61	3.60E-05	1.03E-04
LINC00032	-3.15	3.61E-05	1.04E-04
CPT2	0.72	3.61E-05	1.04E-04
G25631	-1.96	3.62E-05	1.04E-04
RNU6-595P	-3.97	3.62E-05	1.04E-04
ZMYND19P1	-4.48	3.62E-05	1.04E-04
RN7SL844P	-4.72	3.62E-05	1.04E-04
POU5F1P4	-4.81	3.62E-05	1.04E-04
AC092066.1	0.90	3.62E-05	1.04E-04
TMEM180	-0.74	3.63E-05	1.04E-04
CTB-186G2.4	-4.71	3.64E-05	1.04E-04
AC069213.4	-4.80	3.64E-05	1.04E-04
HOXA3	1.33	3.66E-05	1.05E-04
ARG1	1.66	3.66E-05	1.05E-04
GTF2IP7	-1.66	3.67E-05	1.05E-04
RP11-10C24.2	-1.50	3.68E-05	1.05E-04
PCBP2	0.66	3.68E-05	1.05E-04
SEC14L1P1	-1.38	3.68E-05	1.06E-04
OR55B1P	-4.88	3.72E-05	1.07E-04
DUTP2	-4.87	3.73E-05	1.07E-04
RP11-255H23.4	1.50	3.73E-05	1.07E-04
NIPSNAP1	0.62	3.73E-05	1.07E-04
AC069155.1	-3.76	3.74E-05	1.07E-04
HMGN2P35	-4.95	3.74E-05	1.07E-04
HSPA8P19	-3.33	3.74E-05	1.07E-04
RP11-329J18.5	-2.70	3.75E-05	1.07E-04
RP11-109D20.1	-4.98	3.76E-05	1.07E-04
RN7SL242P	-4.67	3.76E-05	1.08E-04
RPL21P5	-3.00	3.76E-05	1.08E-04
SH3GLB1	-0.52	3.77E-05	1.08E-04
ERMP1	-0.61	3.77E-05	1.08E-04
GABARAPL1	0.85	3.78E-05	1.08E-04
ARG2	1.23	3.78E-05	1.08E-04
CLDND1	-0.61	3.78E-05	1.08E-04
RP11-401P9.7	-2.40	3.79E-05	1.08E-04

ITGB5-AS1	-3.15	3.79E-05	1.08E-04
AC092839.3	-4.81	3.79E-05	1.08E-04
DCC	-3.10	3.79E-05	1.08E-04
RP11-120K19.4	-2.88	3.79E-05	1.08E-04
PPP2CB	0.45	3.80E-05	1.09E-04
PRELID1P3	-4.77	3.80E-05	1.09E-04
RPL22	0.57	3.81E-05	1.09E-04
TRIT1	-0.55	3.81E-05	1.09E-04
G28650	-2.38	3.81E-05	1.09E-04
CMBL	1.22	3.82E-05	1.09E-04
RP11-379F4.7	-1.15	3.83E-05	1.09E-04
RP11-144C15.2	-4.39	3.83E-05	1.09E-04
RP11-574K11.8	-2.72	3.83E-05	1.09E-04
SPINK7	2.92	3.83E-05	1.09E-04
RP11-592N21.1	-1.44	3.83E-05	1.09E-04
PDPK2P	1.02	3.84E-05	1.10E-04
C1orf101	-1.26	3.84E-05	1.10E-04
RNY4	-5.21	3.84E-05	1.10E-04
GSTA3	-1.97	3.84E-05	1.10E-04
RAG2	-4.69	3.85E-05	1.10E-04
DTWD2	-0.74	3.85E-05	1.10E-04
TTTY10	-1.82	3.85E-05	1.10E-04
SNORA11B	-4.77	3.85E-05	1.10E-04
PTPRT	-1.83	3.85E-05	1.10E-04
RNU6V	-4.69	3.86E-05	1.10E-04
MRC2	1.26	3.86E-05	1.10E-04
CTD-2135D7.2	-4.36	3.88E-05	1.11E-04
RPS6KB2	0.70	3.89E-05	1.11E-04
RP11-62C3.8	-4.77	3.89E-05	1.11E-04
CTD-2349P21.10	-2.07	3.89E-05	1.11E-04
RNF216	0.28	3.90E-05	1.11E-04
SELK	0.71	3.90E-05	1.11E-04
B4GAT1	0.60	3.90E-05	1.11E-04
GULOP	-2.57	3.91E-05	1.11E-04
AC004461.4	-2.84	3.92E-05	1.12E-04
ZSCAN18	-0.74	3.92E-05	1.12E-04
MORC4	-0.46	3.92E-05	1.12E-04
FCN1	1.89	3.93E-05	1.12E-04
PTPRB	1.17	3.93E-05	1.12E-04
HLA-F	1.06	3.93E-05	1.12E-04
PEX5L	-2.53	3.93E-05	1.12E-04
RP11-56H7.2	-4.83	3.94E-05	1.12E-04
TRIM55	-4.90	3.95E-05	1.12E-04
RPL31P20	-4.87	3.95E-05	1.12E-04
AMN1	-0.73	3.97E-05	1.13E-04

CH17-264L24.1	-1.94	3.97E-05	1.13E-04
SNORD103B	-4.83	3.99E-05	1.14E-04
RP11-254F7.2	1.08	3.99E-05	1.14E-04
AC093620.5	-1.62	4.00E-05	1.14E-04
CTA-204B4.2	1.15	4.00E-05	1.14E-04
RP4-794I6.4	1.65	4.00E-05	1.14E-04
ZNF195	-0.51	4.00E-05	1.14E-04
RP11-286N3.1	-4.88	4.01E-05	1.14E-04
CTD-2012K14.7	-3.76	4.01E-05	1.14E-04
CBX3P3	-4.72	4.01E-05	1.14E-04
ZNF691	0.78	4.01E-05	1.14E-04
CSNK1G3	-0.46	4.02E-05	1.14E-04
CTD-2313N18.7	-3.97	4.02E-05	1.14E-04
HNRNPA1P33	-1.29	4.03E-05	1.15E-04
UBLCP1	0.57	4.03E-05	1.15E-04
LIPA	0.84	4.04E-05	1.15E-04
SLC7A7	1.54	4.04E-05	1.15E-04
Z98881.1	-2.75	4.04E-05	1.15E-04
CLCN3	-0.63	4.05E-05	1.15E-04
OR2A7	-2.06	4.05E-05	1.15E-04
AC024560.3	-1.08	4.05E-05	1.15E-04
RP11-717A5.1	-4.87	4.06E-05	1.15E-04
SLC30A2	1.44	4.06E-05	1.15E-04
AC007078.4	-4.37	4.07E-05	1.16E-04
RP11-849I19.2	-2.86	4.08E-05	1.16E-04
PCDHGA10	-0.82	4.09E-05	1.16E-04
RNA5SP297	-4.84	4.09E-05	1.16E-04
DPYD-AS2	-4.84	4.09E-05	1.16E-04
AC008280.1	-5.07	4.10E-05	1.16E-04
SIRPAP1	-4.30	4.10E-05	1.16E-04
RP11-478B9.3	-5.34	4.10E-05	1.16E-04
CAPS2	-0.81	4.10E-05	1.16E-04
RP11-209D14.4	-4.69	4.11E-05	1.17E-04
RP11-936I5.1	-4.13	4.11E-05	1.17E-04
DOC2GP	-2.32	4.12E-05	1.17E-04
CLEC5A	-1.11	4.12E-05	1.17E-04
GEMIN8	0.50	4.13E-05	1.17E-04
RP11-269G24.7	-4.79	4.13E-05	1.17E-04
RP11-593F23.1	-2.73	4.14E-05	1.17E-04
BCAS2P2	-3.14	4.14E-05	1.18E-04
RSPH1	-1.07	4.14E-05	1.18E-04
PAPL	1.41	4.15E-05	1.18E-04
MSH2	-0.58	4.15E-05	1.18E-04
RN7SL138P	1.41	4.16E-05	1.18E-04
EML2	0.66	4.17E-05	1.18E-04

AC000003.2	-4.23	4.17E-05	1.18E-04
UCHL1	1.71	4.17E-05	1.18E-04
RP11-435F17.3	1.78	4.18E-05	1.19E-04
ADIPOR2	0.55	4.18E-05	1.19E-04
RP11-252C15.1	-3.06	4.19E-05	1.19E-04
RP11-21M24.2	-3.64	4.19E-05	1.19E-04
VRK3	0.44	4.20E-05	1.19E-04
MTND5P15	-4.74	4.20E-05	1.19E-04
FAM212A	0.64	4.21E-05	1.19E-04
RP11-357N13.1	-4.36	4.21E-05	1.19E-04
WBP11	0.40	4.23E-05	1.20E-04
DDX3P1	-4.88	4.23E-05	1.20E-04
PIP5K1P1	-4.65	4.24E-05	1.20E-04
ZNF20	-1.34	4.24E-05	1.20E-04
FBXO36-IT1	-4.74	4.25E-05	1.20E-04
ZNF547	-0.82	4.25E-05	1.20E-04
G30001	-1.21	4.26E-05	1.21E-04
RP11-22H5.1	-4.90	4.27E-05	1.21E-04
CENPBD1P1	0.61	4.28E-05	1.21E-04
KRT85	-8.24	4.28E-05	1.21E-04
RP11-37C7.3	-2.75	4.29E-05	1.21E-04
SNORD45	-4.92	4.29E-05	1.21E-04
ZMYM5	-0.41	4.29E-05	1.21E-04
AL139318.1	-4.77	4.30E-05	1.22E-04
TSPAN16	-3.41	4.30E-05	1.22E-04
G39254	2.47	4.30E-05	1.22E-04
PCDHB11	-1.47	4.30E-05	1.22E-04
CCAT1	-4.82	4.31E-05	1.22E-04
RP11-505K9.3	-4.77	4.32E-05	1.22E-04
MLLT10	-0.46	4.33E-05	1.22E-04
RP11-1007J8.1	-4.57	4.33E-05	1.22E-04
RP11-902B17.1	-1.00	4.33E-05	1.23E-04
RN7SL801P	-5.07	4.33E-05	1.23E-04
RP11-426C22.4	2.55	4.34E-05	1.23E-04
SIGLEC6	-2.80	4.34E-05	1.23E-04
AC105760.3	-2.53	4.34E-05	1.23E-04
PPP2R5C	-0.47	4.34E-05	1.23E-04
SOS1	-0.48	4.35E-05	1.23E-04
TCF3P1	-4.79	4.36E-05	1.23E-04
XLOC_004198	3.44	4.36E-05	1.23E-04
RP11-537H15.3	-2.51	4.37E-05	1.23E-04
LANCL3	-0.83	4.37E-05	1.24E-04
VSTM4	1.28	4.38E-05	1.24E-04
NEURL4	0.80	4.39E-05	1.24E-04
GTF2IP1	-0.70	4.39E-05	1.24E-04

RP11-737O24.1	-4.81	4.39E-05	1.24E-04
GALNT7	1.15	4.39E-05	1.24E-04
RP11-318C2.1	-2.88	4.40E-05	1.24E-04
ACTBP13	-3.47	4.40E-05	1.24E-04
LRRC34	-1.08	4.40E-05	1.24E-04
G31549	-1.76	4.40E-05	1.24E-04
SNORD116-14	-4.56	4.41E-05	1.24E-04
SLC52A3	1.54	4.42E-05	1.25E-04
RP3-468O1.6	-4.83	4.42E-05	1.25E-04
RP11-139K4.2	-4.93	4.43E-05	1.25E-04
STPG2	-1.78	4.43E-05	1.25E-04
RP4-568F9.6	-4.51	4.44E-05	1.25E-04
RNU4-48P	-4.83	4.44E-05	1.25E-04
TIFAB	-2.15	4.44E-05	1.25E-04
G2450	-1.68	4.45E-05	1.26E-04
TEAD4	0.71	4.47E-05	1.26E-04
MKI67	-0.94	4.48E-05	1.26E-04
HTR1DP1	-2.75	4.48E-05	1.26E-04
RP11-53B2.1	-3.73	4.48E-05	1.26E-04
RP11-274B21.3	1.33	4.49E-05	1.27E-04
G11854	-4.63	4.50E-05	1.27E-04
DCUN1D5	0.45	4.50E-05	1.27E-04
RPS3P1	-4.69	4.51E-05	1.27E-04
G41367	-1.67	4.53E-05	1.28E-04
TSPYL1	-0.54	4.53E-05	1.28E-04
PTTG4P	-4.57	4.53E-05	1.28E-04
ECT2	-0.67	4.54E-05	1.28E-04
RN7SL806P	-4.56	4.54E-05	1.28E-04
MEG9	2.77	4.55E-05	1.28E-04
RN7SL47P	-4.77	4.55E-05	1.28E-04
JPX	-0.49	4.57E-05	1.29E-04
NGFR	1.71	4.57E-05	1.29E-04
LLPHP2	-4.95	4.59E-05	1.29E-04
CTD-3032H12.1	-3.06	4.60E-05	1.30E-04
RP11-44N22.3	1.76	4.61E-05	1.30E-04
RPL7P14	-4.83	4.61E-05	1.30E-04
TMED11P	-3.04	4.61E-05	1.30E-04
AC087501.1	-4.40	4.61E-05	1.30E-04
MAMDC4	-1.54	4.63E-05	1.30E-04
HIST2H3A	-4.43	4.63E-05	1.30E-04
TAF9BP1	-3.27	4.65E-05	1.31E-04
SLC44A1	-0.63	4.66E-05	1.31E-04
ZNF337	-1.00	4.67E-05	1.31E-04
OSBPL10	0.64	4.68E-05	1.32E-04
RP11-244M2.1	-1.10	4.69E-05	1.32E-04

CLUH	0.65	4.69E-05	1.32E-04
SPECC1	0.92	4.69E-05	1.32E-04
RP11-543P15.3	-4.76	4.69E-05	1.32E-04
SAMD4A	-1.10	4.70E-05	1.32E-04
ZNF461	-0.57	4.70E-05	1.32E-04
AP5S1	0.62	4.70E-05	1.32E-04
XPC	-0.48	4.70E-05	1.32E-04
G29778	-1.29	4.71E-05	1.32E-04
RP5-894A10.2	-1.21	4.71E-05	1.32E-04
XPO6	0.38	4.72E-05	1.33E-04
CTD-2270P14.5	-1.17	4.72E-05	1.33E-04
RP11-454L9.2	-2.17	4.74E-05	1.33E-04
RP11-83J16.3	-4.56	4.74E-05	1.33E-04
C2orf47	-0.46	4.74E-05	1.33E-04
C1orf111	-3.29	4.74E-05	1.33E-04
RP3-415N12.1	-3.09	4.74E-05	1.33E-04
MORF4L2	0.55	4.74E-05	1.33E-04
RP11-220D10.1	-5.02	4.75E-05	1.33E-04
RN7SL246P	-4.82	4.75E-05	1.33E-04
MAST2	0.80	4.76E-05	1.34E-04
SSH1	0.53	4.76E-05	1.34E-04
ABCD4	0.65	4.76E-05	1.34E-04
FBXO21	-0.48	4.76E-05	1.34E-04
HMGB3P10	-2.39	4.77E-05	1.34E-04
KRT73-AS1	-4.63	4.77E-05	1.34E-04
GREM1	2.70	4.77E-05	1.34E-04
IL9	-5.16	4.77E-05	1.34E-04
GPKOW	0.46	4.77E-05	1.34E-04
SNHG9	-1.11	4.78E-05	1.34E-04
LSM1	0.65	4.78E-05	1.34E-04
CEBPG	-0.58	4.78E-05	1.34E-04
ADAP2	0.95	4.78E-05	1.34E-04
METTL21C	-5.00	4.79E-05	1.34E-04
SBK1	1.72	4.80E-05	1.35E-04
RNA5SP383	3.08	4.80E-05	1.35E-04
SASH3	1.73	4.81E-05	1.35E-04
PACRGL	-0.46	4.83E-05	1.35E-04
CBX3P5	-4.61	4.83E-05	1.36E-04
TSPO2	-3.56	4.84E-05	1.36E-04
MTX2	0.49	4.85E-05	1.36E-04
XLOC_002545	-4.92	4.85E-05	1.36E-04
RP11-864I4.4	-1.95	4.86E-05	1.36E-04
RP11-384K6.6	1.22	4.86E-05	1.36E-04
TLE4	-0.67	4.88E-05	1.37E-04
PLPPR5	-5.13	4.88E-05	1.37E-04

CARD14	0.89	4.88E-05	1.37E-04
LINC00871	-4.51	4.88E-05	1.37E-04
RP11-133K1.7	-4.51	4.89E-05	1.37E-04
MMP27	-1.90	4.89E-05	1.37E-04
TIGD1	-0.97	4.91E-05	1.37E-04
SNORD116-6	-4.78	4.91E-05	1.37E-04
TSC22D1	0.77	4.91E-05	1.38E-04
CTD-2081C10.5	-4.90	4.92E-05	1.38E-04
RP11-264L1.1	-3.35	4.92E-05	1.38E-04
RPS20P35	-4.47	4.94E-05	1.38E-04
RP11-873E20.1	-1.56	4.94E-05	1.38E-04
CTC-425O23.5	-1.74	4.95E-05	1.39E-04
VN1R83P	-1.95	4.95E-05	1.39E-04
GAPDHP27	-4.83	4.97E-05	1.39E-04
TMEM177	0.52	4.97E-05	1.39E-04
RP11-517P14.2	2.13	4.97E-05	1.39E-04
ADGRE2	1.13	4.97E-05	1.39E-04
SLC19A1	1.31	4.98E-05	1.39E-04
RP11-275F13.3	-3.56	4.98E-05	1.39E-04
DUXAP7	-4.54	4.98E-05	1.39E-04
DUS4L	-0.55	4.99E-05	1.40E-04
FKBP7	1.32	4.99E-05	1.40E-04
C1QBP	0.58	4.99E-05	1.40E-04
ATHL1	2.08	5.00E-05	1.40E-04
SLAIN2	-0.54	5.00E-05	1.40E-04
RP1-137K2.2	-3.96	5.01E-05	1.40E-04
AC018742.1	-5.32	5.01E-05	1.40E-04
SNORA48	-2.72	5.02E-05	1.40E-04
SNRPF	0.76	5.02E-05	1.40E-04
RP11-144C15.1	-4.87	5.02E-05	1.40E-04
NCF4	1.75	5.03E-05	1.40E-04
KRT8P36	-4.39	5.03E-05	1.40E-04
HSPE1P8	-4.85	5.03E-05	1.40E-04
CTD-3222D19.4	-3.66	5.03E-05	1.40E-04
SNORD69	-2.70	5.03E-05	1.40E-04
RPL39L	0.89	5.03E-05	1.40E-04
GRAMD1C	-0.92	5.03E-05	1.41E-04
RP11-346D14.1	-2.39	5.03E-05	1.41E-04
ETV4	1.08	5.03E-05	1.41E-04
IFNA20P	-2.00	5.03E-05	1.41E-04
RP11-274B21.4	1.23	5.05E-05	1.41E-04
AL627171.1	-4.49	5.05E-05	1.41E-04
DPYD-AS1	-4.42	5.06E-05	1.41E-04
RPS13P2	-2.10	5.06E-05	1.41E-04
G10908	-1.71	5.07E-05	1.41E-04

NPM1P19	-4.63	5.07E-05	1.42E-04
CTD-2206N4.4	-2.19	5.08E-05	1.42E-04
SLC35F4	-4.50	5.09E-05	1.42E-04
TRNP1	1.08	5.09E-05	1.42E-04
NONOP2	-1.04	5.10E-05	1.42E-04
RNU4-22P	-4.41	5.10E-05	1.42E-04
JAGN1	0.51	5.10E-05	1.42E-04
SNORD20	-2.48	5.11E-05	1.42E-04
NDUFB4P1	-3.74	5.11E-05	1.43E-04
RP11-252I14.2	-4.83	5.12E-05	1.43E-04
OR5P3	-3.53	5.12E-05	1.43E-04
KCNQ1OT1	-1.35	5.12E-05	1.43E-04
ARL5A	-0.92	5.13E-05	1.43E-04
MAFTRR	-1.48	5.13E-05	1.43E-04
SUMO1	0.64	5.13E-05	1.43E-04
CD300LF	3.05	5.14E-05	1.43E-04
ARHGEF9-IT1	-4.80	5.14E-05	1.43E-04
SNX32	-1.52	5.14E-05	1.43E-04
PPIL4	-0.42	5.16E-05	1.44E-04
FLNB-AS1	-1.44	5.17E-05	1.44E-04
RPL23AP23	-4.80	5.17E-05	1.44E-04
KRT8P29	-4.63	5.17E-05	1.44E-04
PYCR2	0.77	5.18E-05	1.44E-04
MIR30E	-4.61	5.18E-05	1.44E-04
SMG5	0.54	5.18E-05	1.44E-04
RNF149	0.52	5.18E-05	1.44E-04
CTC-297N7.10	-4.70	5.18E-05	1.44E-04
RP11-131M11.2	-1.07	5.18E-05	1.44E-04
RP3-509L4.3	-4.77	5.19E-05	1.44E-04
EBAG9P1	-3.15	5.19E-05	1.45E-04
MCMDC2	-1.01	5.20E-05	1.45E-04
HSF2BP	1.31	5.20E-05	1.45E-04
RNU6-466P	-4.72	5.20E-05	1.45E-04
SHE	1.11	5.22E-05	1.45E-04
RP11-950C14.3	-3.20	5.23E-05	1.45E-04
TMPRSS11CP	-4.93	5.23E-05	1.46E-04
TIMP2	1.35	5.24E-05	1.46E-04
AC022538.1	-5.05	5.24E-05	1.46E-04
LDHAP7	-4.75	5.25E-05	1.46E-04
SPRYD7	0.65	5.25E-05	1.46E-04
AMIGO2	1.49	5.26E-05	1.46E-04
RP11-461L13.5	-3.54	5.26E-05	1.46E-04
FSIP2-AS1	-2.67	5.27E-05	1.47E-04
DNAH7	-1.61	5.28E-05	1.47E-04
RNU6-142P	-4.90	5.28E-05	1.47E-04

RP11-415J8.3	-1.32	5.28E-05	1.47E-04
MCL1	0.42	5.28E-05	1.47E-04
XLOC_007686	-1.16	5.29E-05	1.47E-04
CTD-3199J23.6	1.87	5.29E-05	1.47E-04
RP11-448G4.4	-4.76	5.29E-05	1.47E-04
CPNE6	-3.47	5.30E-05	1.47E-04
RN7SKP70	-2.43	5.30E-05	1.47E-04
RP11-164N3.1	-4.72	5.30E-05	1.47E-04
SON	-0.53	5.31E-05	1.48E-04
IL11RA	-1.19	5.33E-05	1.48E-04
HES1	0.90	5.34E-05	1.48E-04
AC092574.2	-2.40	5.35E-05	1.49E-04
DICER1-AS1	1.14	5.35E-05	1.49E-04
RP11-787I22.3	-2.86	5.36E-05	1.49E-04
CSNK1G2-AS1	-5.07	5.36E-05	1.49E-04
MAMLD1	1.24	5.37E-05	1.49E-04
RP11-399O19.9	-1.46	5.38E-05	1.49E-04
CTSW	1.38	5.38E-05	1.49E-04
RP11-305K5.1	-1.23	5.38E-05	1.49E-04
HAGLROS	4.86	5.39E-05	1.50E-04
RP11-505K9.5	-2.49	5.39E-05	1.50E-04
RP11-57H12.2	-5.35	5.40E-05	1.50E-04
ULK3	0.78	5.41E-05	1.50E-04
MTMR1	-0.56	5.41E-05	1.50E-04
VDAC2	0.53	5.41E-05	1.50E-04
WASF3-AS1	-4.81	5.42E-05	1.50E-04
RP11-1074O12.1	-4.64	5.44E-05	1.51E-04
RP11-996F15.5	-1.33	5.46E-05	1.51E-04
RP1-309F20.3	-1.72	5.47E-05	1.52E-04
SEC16B	-2.91	5.48E-05	1.52E-04
RP11-697N18.4	-2.76	5.48E-05	1.52E-04
RNU6-107P	-4.83	5.49E-05	1.52E-04
RP11-849F2.9	1.85	5.50E-05	1.52E-04
NXPE1	-3.89	5.50E-05	1.52E-04
RP13-20L14.10	-1.92	5.51E-05	1.53E-04
BANF1P3	-2.54	5.52E-05	1.53E-04
FREM1	-1.28	5.52E-05	1.53E-04
EBI3	3.03	5.52E-05	1.53E-04
CA12	0.44	5.55E-05	1.54E-04
ARHGAP29	-0.81	5.55E-05	1.54E-04
TAS2R6P	-3.55	5.56E-05	1.54E-04
CSE1L	-0.63	5.57E-05	1.54E-04
LRRC37A2	-1.12	5.58E-05	1.54E-04
SLC9A5	1.41	5.58E-05	1.55E-04
RASA4CP	1.17	5.59E-05	1.55E-04

TDGF1P5	-4.38	5.59E-05	1.55E-04
RP11-277I20.2	-4.73	5.59E-05	1.55E-04
CTD-2630F21.1	1.32	5.61E-05	1.55E-04
FAM131C	1.51	5.61E-05	1.55E-04
RP11-419K12.1	-4.49	5.61E-05	1.55E-04
EIF3EP1	-1.07	5.61E-05	1.55E-04
C6orf47	0.46	5.61E-05	1.55E-04
GPR180	-0.74	5.61E-05	1.55E-04
DDX11L1	-4.49	5.61E-05	1.55E-04
SNORD14E	-4.30	5.62E-05	1.55E-04
DPY30	0.68	5.62E-05	1.55E-04
RP11-55K22.2	-4.47	5.62E-05	1.55E-04
HINFP	0.58	5.63E-05	1.56E-04
SNORD126	-4.80	5.63E-05	1.56E-04
MORC2-AS1	-2.89	5.65E-05	1.56E-04
UBE2D3P2	-4.90	5.66E-05	1.57E-04
RCOR3	-0.54	5.67E-05	1.57E-04
KLHL32	-2.80	5.68E-05	1.57E-04
RP11-894P9.2	-4.41	5.69E-05	1.57E-04
CSPG4P8	3.14	5.70E-05	1.58E-04
RP11-421L21.2	-2.47	5.70E-05	1.58E-04
ATP11A-AS1	-3.51	5.71E-05	1.58E-04
SLC25A2	-3.25	5.71E-05	1.58E-04
HEATR4	-1.66	5.71E-05	1.58E-04
RN7SL555P	-5.44	5.71E-05	1.58E-04
H2AFZP4	-4.76	5.71E-05	1.58E-04
RGS22	-1.69	5.72E-05	1.58E-04
RP4-700A9.1	-4.58	5.72E-05	1.58E-04
GTSE1	1.13	5.72E-05	1.58E-04
FAM19A2	-1.32	5.75E-05	1.59E-04
RP3-508I15.9	-1.07	5.75E-05	1.59E-04
EFS	0.60	5.75E-05	1.59E-04
KLHL36	-0.29	5.76E-05	1.59E-04
LTF	3.76	5.76E-05	1.59E-04
CYP27C1	1.03	5.77E-05	1.59E-04
ATP6V1G1	0.63	5.77E-05	1.59E-04
NKX3-1	1.51	5.78E-05	1.59E-04
RP11-554D14.6	-4.75	5.78E-05	1.60E-04
ITGB1	0.88	5.80E-05	1.60E-04
CBWD6	-1.07	5.81E-05	1.60E-04
CARD8-AS1	1.52	5.81E-05	1.60E-04
DNAJC3	-0.53	5.81E-05	1.60E-04
AC011385.1	-2.46	5.82E-05	1.61E-04
CTD-2349P21.9	-3.02	5.83E-05	1.61E-04
RAB40AL	-4.66	5.84E-05	1.61E-04

GOLIM4	0.74	5.85E-05	1.61E-04
MIR3145	-4.58	5.87E-05	1.62E-04
RP11-286O18.1	-4.66	5.88E-05	1.62E-04
EEF1E1	-0.93	5.90E-05	1.63E-04
BCL11A	-0.87	5.90E-05	1.63E-04
CTD-2173L22.4	-1.23	5.91E-05	1.63E-04
UBASH3B	-0.93	5.92E-05	1.63E-04
SYTL5	2.74	5.93E-05	1.63E-04
RP11-195C7.1	-1.83	5.93E-05	1.63E-04
G2592	-1.63	5.93E-05	1.63E-04
RP11-849F2.5	-0.99	5.94E-05	1.64E-04
RP11-290D2.5	-4.55	5.94E-05	1.64E-04
CTB-167B5.1	-4.54	5.95E-05	1.64E-04
OR5P1P	-3.48	5.95E-05	1.64E-04
KRT8P44	-5.13	5.96E-05	1.64E-04
ABHD5	-1.03	5.97E-05	1.65E-04
RP11-434D9.1	-3.43	5.98E-05	1.65E-04
XLOC_005768	-4.98	5.98E-05	1.65E-04
RPA2	0.74	5.99E-05	1.65E-04
HMGB1P8	-4.64	6.00E-05	1.65E-04
RP11-776B3.1	-4.63	6.00E-05	1.65E-04
ZNF578	-1.67	6.01E-05	1.66E-04
PRKAG1	0.54	6.02E-05	1.66E-04
AQP4	-5.32	6.02E-05	1.66E-04
RP11-108K3.4	-4.87	6.03E-05	1.66E-04
TRIM37	-0.46	6.04E-05	1.66E-04
RBM3	0.67	6.04E-05	1.66E-04
C17orf67	1.20	6.05E-05	1.66E-04
RP11-220I1.4	-4.92	6.05E-05	1.67E-04
LINC00238	-3.86	6.05E-05	1.67E-04
XLOC_009001	-4.66	6.05E-05	1.67E-04
FADS2	-3.90	6.06E-05	1.67E-04
AC010642.1	-1.40	6.08E-05	1.67E-04
MIR31HG	5.46	6.08E-05	1.67E-04
NCKAP5L	1.15	6.09E-05	1.67E-04
PRDX2	0.81	6.09E-05	1.67E-04
RN7SKP235	-4.87	6.11E-05	1.68E-04
ABCB10	-0.37	6.11E-05	1.68E-04
RFC1	-0.46	6.11E-05	1.68E-04
TBC1D16	0.42	6.11E-05	1.68E-04
G28648	-1.26	6.11E-05	1.68E-04
RP11-285G1.14	-3.40	6.12E-05	1.68E-04
ANAPC10P1	-4.77	6.12E-05	1.68E-04
CTC-296K1.3	2.65	6.13E-05	1.68E-04
ST3GAL1P1	-4.62	6.13E-05	1.68E-04

RPS15AP11	-3.63	6.13E-05	1.68E-04
RP11-297A16.4	1.15	6.13E-05	1.69E-04
RNU6-198P	-4.93	6.14E-05	1.69E-04
ZDHHC15	-0.90	6.15E-05	1.69E-04
SNORD53	-4.84	6.15E-05	1.69E-04
TP63	-0.65	6.15E-05	1.69E-04
ZNF577	-0.89	6.16E-05	1.69E-04
RP11-758H9.2	1.13	6.16E-05	1.69E-04
KCTD9P5	-5.23	6.17E-05	1.70E-04
RP11-332O19.2	-4.60	6.17E-05	1.70E-04
RP11-678G15.2	-4.68	6.19E-05	1.70E-04
KRT71	-6.58	6.20E-05	1.70E-04
GATM-AS1	-4.52	6.21E-05	1.70E-04
OSTCP8	-4.50	6.21E-05	1.71E-04
RNF214	0.47	6.22E-05	1.71E-04
G38113	-2.16	6.24E-05	1.71E-04
RP11-20I23.5	-2.96	6.24E-05	1.71E-04
ATP5G1P6	-1.85	6.25E-05	1.71E-04
LRRC26	3.73	6.26E-05	1.72E-04
GBA2	0.68	6.27E-05	1.72E-04
EXOC6	-0.55	6.28E-05	1.72E-04
MTMR3	-0.56	6.28E-05	1.72E-04
PSG4	-2.92	6.28E-05	1.72E-04
RN7SL851P	-4.58	6.29E-05	1.72E-04
RP11-80H5.7	-3.15	6.29E-05	1.72E-04
RP1-257A7.4	-2.14	6.29E-05	1.73E-04
AC008850.3	-2.70	6.30E-05	1.73E-04
RP11-480A16.1	-1.87	6.30E-05	1.73E-04
TRAPPC5	-1.18	6.30E-05	1.73E-04
ZCCHC6	-0.62	6.31E-05	1.73E-04
AP000892.6	2.37	6.31E-05	1.73E-04
G23133	-1.01	6.31E-05	1.73E-04
TIMP3	1.38	6.32E-05	1.73E-04
G33706	-2.47	6.33E-05	1.74E-04
G5880	-5.45	6.35E-05	1.74E-04
EIF4BP2	-4.98	6.35E-05	1.74E-04
PCNXL3	0.72	6.35E-05	1.74E-04
RP1-128M12.3	-2.61	6.35E-05	1.74E-04
LINC01465	-1.19	6.36E-05	1.74E-04
CRY1	-0.96	6.36E-05	1.74E-04
IPO5P1	-1.25	6.36E-05	1.74E-04
DCPS	0.55	6.37E-05	1.74E-04
SSB	0.69	6.37E-05	1.75E-04
CTD-3193K9.1	-4.67	6.37E-05	1.75E-04
GLRX2	-0.68	6.38E-05	1.75E-04

RP11-168F9.2	-3.80	6.38E-05	1.75E-04
UBA3	-0.54	6.38E-05	1.75E-04
CENPT	0.89	6.39E-05	1.75E-04
RP11-443B20.1	-1.34	6.39E-05	1.75E-04
NLN	-0.53	6.40E-05	1.75E-04
RP11-697H9.5	-4.55	6.40E-05	1.75E-04
G15374	-1.55	6.40E-05	1.75E-04
AC007461.2	-4.84	6.40E-05	1.75E-04
RP11-73E6.2	-4.68	6.40E-05	1.75E-04
G3632	-1.48	6.41E-05	1.75E-04
KLRC4-KLRK1	-4.81	6.42E-05	1.75E-04
TYRO3	-0.75	6.42E-05	1.76E-04
AC109631.1	-4.32	6.43E-05	1.76E-04
LRRC69	-1.44	6.43E-05	1.76E-04
USP5	0.54	6.44E-05	1.76E-04
CLHC1	-0.92	6.44E-05	1.76E-04
ST6GAL2	-2.31	6.45E-05	1.76E-04
DIABLO	-0.90	6.46E-05	1.77E-04
EXD2	0.36	6.46E-05	1.77E-04
DBF4	-0.58	6.47E-05	1.77E-04
ITM2BP1	-4.23	6.48E-05	1.77E-04
RP11-417L19.6	-2.10	6.49E-05	1.77E-04
RAB4B	1.02	6.49E-05	1.77E-04
RP11-61L19.3	-1.07	6.50E-05	1.78E-04
ENO4	-1.65	6.50E-05	1.78E-04
RNU6-946P	-4.89	6.51E-05	1.78E-04
RP11-401P9.4	-0.99	6.51E-05	1.78E-04
RP11-526K21.2	-4.77	6.51E-05	1.78E-04
AC107081.5	-1.95	6.52E-05	1.78E-04
GRIN3B	2.34	6.53E-05	1.78E-04
PAPOLA	-0.36	6.54E-05	1.78E-04
KBTBD12	-2.32	6.55E-05	1.79E-04
LRRC9	-4.35	6.55E-05	1.79E-04
WASL	-0.47	6.55E-05	1.79E-04
NCKAP5-IT1	-4.53	6.55E-05	1.79E-04
NPEPL1	0.97	6.56E-05	1.79E-04
ETF1P1	-4.61	6.56E-05	1.79E-04
RP11-757C15.4	-4.69	6.56E-05	1.79E-04
HEXA-AS1	-1.18	6.57E-05	1.79E-04
HYOU1	0.54	6.58E-05	1.79E-04
STX1B	1.12	6.59E-05	1.80E-04
WDR83	0.88	6.59E-05	1.80E-04
RPL10AP1	-4.43	6.59E-05	1.80E-04
CNNM4	0.98	6.60E-05	1.80E-04
SNAPC1	0.67	6.60E-05	1.80E-04

MIR3657	-4.95	6.61E-05	1.80E-04
RP11-706C16.7	2.73	6.61E-05	1.80E-04
SLC29A2	1.06	6.61E-05	1.80E-04
APOBR	1.06	6.65E-05	1.81E-04
SLC17A9	2.15	6.65E-05	1.81E-04
FAM229B	1.04	6.67E-05	1.82E-04
FKBP9	0.61	6.67E-05	1.82E-04
RNASE1	2.09	6.67E-05	1.82E-04
C18orf65	2.27	6.68E-05	1.82E-04
RP11-112J3.16	-3.42	6.71E-05	1.83E-04
RN7SL526P	-4.75	6.71E-05	1.83E-04
MIR98	-4.60	6.72E-05	1.83E-04
NAPA-AS1	-1.71	6.73E-05	1.83E-04
RP11-76C10.6	-4.88	6.74E-05	1.83E-04
TRMO	-0.41	6.74E-05	1.84E-04
PLS1	-0.75	6.75E-05	1.84E-04
GUSBP1	-0.98	6.75E-05	1.84E-04
RP5-1182A14.5	-4.77	6.76E-05	1.84E-04
EHMT1-IT1	-4.71	6.76E-05	1.84E-04
RP11-452J6.2	-3.41	6.76E-05	1.84E-04
DCBLD2	-0.55	6.77E-05	1.84E-04
G9105	4.30	6.77E-05	1.84E-04
USP16	-0.53	6.78E-05	1.84E-04
RP4-555D20.2	-4.25	6.79E-05	1.85E-04
CTB-46B19.2	-1.94	6.81E-05	1.85E-04
AC073641.2	-4.57	6.81E-05	1.85E-04
YPEL2	-0.46	6.81E-05	1.85E-04
RP11-214O14.1	-4.60	6.82E-05	1.86E-04
LL22NC03-80A10.6	-1.02	6.82E-05	1.86E-04
TLCD2	0.99	6.84E-05	1.86E-04
CMPK1	-0.54	6.84E-05	1.86E-04
HNRNPA1P45	-4.91	6.84E-05	1.86E-04
POP7	0.58	6.84E-05	1.86E-04
RP11-196O2.1	-4.79	6.85E-05	1.86E-04
RNY3	-4.89	6.86E-05	1.86E-04
FAM83H	0.72	6.86E-05	1.86E-04
XLOC_006923	-2.36	6.88E-05	1.87E-04
RP11-536C5.7	-1.77	6.89E-05	1.87E-04
AC009299.1	-4.67	6.90E-05	1.88E-04
ATP5J	0.61	6.91E-05	1.88E-04
LINC01537	1.65	6.91E-05	1.88E-04
RPL4P5	-1.73	6.91E-05	1.88E-04
RP11-423F24.3	-2.61	6.92E-05	1.88E-04
RP11-367O10.1	-4.88	6.92E-05	1.88E-04
PROK1	3.89	6.93E-05	1.88E-04

NEK11	-0.54	6.94E-05	1.88E-04
ACAD9	-0.61	6.94E-05	1.88E-04
KALRN	0.99	6.95E-05	1.89E-04
RP11-1365D11.1	-2.13	6.96E-05	1.89E-04
G8112	1.15	6.96E-05	1.89E-04
RP11-516A11.1	-4.42	6.97E-05	1.89E-04
OR5BK1P	-4.48	6.98E-05	1.90E-04
PUDP	0.58	6.99E-05	1.90E-04
RP11-60C6.8	-4.61	6.99E-05	1.90E-04
WDR48	-0.37	6.99E-05	1.90E-04
RNU6-960P	-4.87	7.02E-05	1.91E-04
MYH14	-1.07	7.03E-05	1.91E-04
RNY4P7	-4.75	7.03E-05	1.91E-04
G23048	-2.62	7.05E-05	1.91E-04
MAN2B2	0.50	7.05E-05	1.91E-04
AC010149.4	-4.37	7.06E-05	1.91E-04
NDUFA3P2	-4.61	7.07E-05	1.92E-04
CLDN3	2.27	7.07E-05	1.92E-04
IYD	-3.86	7.08E-05	1.92E-04
HOXA2	-1.54	7.09E-05	1.92E-04
TSPAN14	0.59	7.10E-05	1.92E-04
PSMA3-AS1	-0.66	7.10E-05	1.93E-04
RPSAP19	-1.59	7.10E-05	1.93E-04
SUPT6H	0.36	7.12E-05	1.93E-04
AL596220.1	-4.71	7.13E-05	1.93E-04
YWHAZP3	-1.98	7.13E-05	1.93E-04
RP11-420B22.1	-4.43	7.13E-05	1.93E-04
SPATA33	0.81	7.14E-05	1.94E-04
RNU6-1310P	-4.75	7.15E-05	1.94E-04
ALDH1A3	1.49	7.16E-05	1.94E-04
HNRNPA1P36	-4.65	7.16E-05	1.94E-04
RP11-245J9.6	-2.74	7.16E-05	1.94E-04
COL2A1	-1.93	7.16E-05	1.94E-04
MCCD1	-4.80	7.17E-05	1.94E-04
XLOC_005303	3.91	7.17E-05	1.94E-04
EDN1	1.05	7.19E-05	1.95E-04
RP11-114B7.6	4.24	7.19E-05	1.95E-04
YARS	0.51	7.20E-05	1.95E-04
SMARCA2	-0.40	7.21E-05	1.95E-04
RP11-525G12.1	-4.55	7.21E-05	1.95E-04
APBB1IP	1.55	7.22E-05	1.95E-04
AC090804.1	-3.23	7.22E-05	1.95E-04
RAD51B	-0.61	7.22E-05	1.95E-04
PACSIN2	0.32	7.24E-05	1.96E-04
RP11-583F24.7	-4.03	7.25E-05	1.96E-04

MTOR-AS1	-4.50	7.25E-05	1.96E-04
NCBP2-AS1	-3.10	7.26E-05	1.96E-04
ALOX5AP	1.61	7.26E-05	1.97E-04
PI4KAP1	2.14	7.27E-05	1.97E-04
CTD-2269F5.1	-1.34	7.27E-05	1.97E-04
AC010886.2	-5.06	7.27E-05	1.97E-04
AMMECR1-IT1	-4.55	7.28E-05	1.97E-04
RP11-968A15.8	-2.91	7.28E-05	1.97E-04
ZNF354B	-0.58	7.28E-05	1.97E-04
RBM45	-0.47	7.28E-05	1.97E-04
AMACR	1.26	7.28E-05	1.97E-04
TPH1	-1.91	7.29E-05	1.97E-04
RPL17P17	-4.06	7.29E-05	1.97E-04
RP11-394B5.2	-4.73	7.30E-05	1.97E-04
PIEZO2	-1.36	7.30E-05	1.97E-04
ATXN7L2	0.77	7.31E-05	1.98E-04
C19orf71	-1.21	7.31E-05	1.98E-04
5S_rRNA	-4.51	7.32E-05	1.98E-04
G32308	4.34	7.32E-05	1.98E-04
RP11-552M6.1	-4.64	7.33E-05	1.98E-04
AL133243.3	-4.55	7.34E-05	1.98E-04
RP11-650J17.2	-4.60	7.35E-05	1.98E-04
CD58	-0.63	7.35E-05	1.99E-04
CAMK4	-1.40	7.35E-05	1.99E-04
RP11-401L13.7	-4.96	7.36E-05	1.99E-04
ADGRE4P	-2.11	7.36E-05	1.99E-04
GDNF	1.79	7.38E-05	1.99E-04
RP11-401E9.3	-4.62	7.39E-05	1.99E-04
YIPF4	-0.41	7.40E-05	2.00E-04
RP11-197N18.7	-3.80	7.40E-05	2.00E-04
SNORA25	-3.93	7.41E-05	2.00E-04
RP11-105N14.1	-1.36	7.41E-05	2.00E-04
RP11-98D18.3	3.11	7.45E-05	2.01E-04
XLOC_013496	-4.88	7.45E-05	2.01E-04
NFKBIA	0.81	7.46E-05	2.01E-04
RP4-620E11.4	-3.82	7.47E-05	2.02E-04
RP11-933H2.4	-1.91	7.48E-05	2.02E-04
CYTIP	-1.08	7.49E-05	2.02E-04
RN7SL751P	-2.74	7.49E-05	2.02E-04
G12194	-2.64	7.49E-05	2.02E-04
RPL30P2	-4.73	7.50E-05	2.02E-04
RP11-217L21.1	-4.60	7.50E-05	2.02E-04
RP11-380M21.3	-4.81	7.51E-05	2.03E-04
ZNF442	-0.82	7.53E-05	2.03E-04
PAOX	0.85	7.53E-05	2.03E-04

TPSAB1	2.26	7.54E-05	2.03E-04
RP11-1250I15.1	-4.69	7.54E-05	2.03E-04
RP11-81A22.4	0.71	7.55E-05	2.03E-04
AC137932.5	-2.03	7.55E-05	2.04E-04
CTD-2555A7.3	-2.83	7.56E-05	2.04E-04
XXbac-B476C20.11	-4.31	7.57E-05	2.04E-04
SLC1A7	1.93	7.58E-05	2.04E-04
CPAMD8	2.23	7.58E-05	2.04E-04
RP5-965G21.5	-4.41	7.60E-05	2.05E-04
AIM2	2.48	7.60E-05	2.05E-04
RP11-256L6.2	-4.32	7.61E-05	2.05E-04
RP11-689J19.1	-4.79	7.64E-05	2.06E-04
SSBP3-AS1	-1.75	7.64E-05	2.06E-04
AC092162.1	-2.14	7.66E-05	2.06E-04
LINC01094	1.15	7.67E-05	2.06E-04
RP11-413G15.1	-4.75	7.68E-05	2.07E-04
CTB-102L5.7	-3.53	7.70E-05	2.07E-04
G6426	-2.17	7.70E-05	2.07E-04
USF1P1	-4.42	7.70E-05	2.07E-04
RPS20	0.66	7.70E-05	2.07E-04
RP11-676J12.7	1.84	7.72E-05	2.08E-04
TUBG1	0.69	7.73E-05	2.08E-04
AP001626.1	1.96	7.73E-05	2.08E-04
RASSF6	-1.16	7.73E-05	2.08E-04
NQO1	1.04	7.74E-05	2.08E-04
RP11-20L24.1	-4.62	7.74E-05	2.08E-04
HMGN2P27	-4.68	7.75E-05	2.08E-04
RNU6-759P	-4.62	7.76E-05	2.09E-04
RP11-342M1.3	-1.67	7.77E-05	2.09E-04
CA3	-1.28	7.78E-05	2.09E-04
IST1	0.22	7.80E-05	2.10E-04
RP11-114F3.5	-3.73	7.82E-05	2.10E-04
RP11-231E4.5	-2.44	7.82E-05	2.10E-04
AL160011.1	-4.58	7.83E-05	2.10E-04
SLC39A8	1.43	7.83E-05	2.11E-04
CTA-276F8.2	-4.57	7.83E-05	2.11E-04
RP11-379P15.1	-4.96	7.84E-05	2.11E-04
TRIM3	0.72	7.85E-05	2.11E-04
RP11-438L19.1	-1.71	7.85E-05	2.11E-04
RP11-111F16.2	1.99	7.87E-05	2.11E-04
RP11-511H9.3	-2.64	7.88E-05	2.12E-04
RP11-83A16.1	-4.70	7.88E-05	2.12E-04
XLOC_007993	-1.17	7.89E-05	2.12E-04
G32188	1.79	7.89E-05	2.12E-04
TCP11L1	-0.53	7.89E-05	2.12E-04

CTD-3126B10.2	-2.48	7.92E-05	2.13E-04
MCM5	0.58	7.95E-05	2.13E-04
SP140	-1.33	7.95E-05	2.13E-04
AC022819.2	-4.70	7.95E-05	2.13E-04
MEIS2	0.61	7.95E-05	2.13E-04
HSPB7	1.24	7.96E-05	2.14E-04
CCDC122	-0.72	7.98E-05	2.14E-04
SUV420H1	-0.41	7.98E-05	2.14E-04
CCNI	0.43	7.99E-05	2.14E-04
PDZD4	0.85	7.99E-05	2.14E-04
YBEY	0.76	7.99E-05	2.14E-04
MNS1	1.09	8.02E-05	2.15E-04
RP11-196G18.22	-1.02	8.03E-05	2.15E-04
GLRX3	0.50	8.03E-05	2.16E-04
PKD1L3	-2.00	8.04E-05	2.16E-04
IRF5	0.76	8.05E-05	2.16E-04
RP11-365F18.3	-4.32	8.06E-05	2.16E-04
XKR4	-2.59	8.06E-05	2.16E-04
RP11-392P7.7	-4.85	8.07E-05	2.16E-04
RP11-353H3.1	-4.58	8.11E-05	2.17E-04
PTPRVP	-3.06	8.11E-05	2.17E-04
RP11-111K18.2	-3.07	8.12E-05	2.18E-04
LINC01588	-0.88	8.12E-05	2.18E-04
FAM134A	0.38	8.12E-05	2.18E-04
TTC13	-0.52	8.13E-05	2.18E-04
RP11-234K24.3	-3.02	8.13E-05	2.18E-04
NECAP1	-0.39	8.13E-05	2.18E-04
FIGNL1	-0.59	8.13E-05	2.18E-04
MAP3K7CL	1.13	8.13E-05	2.18E-04
CTA-217C2.2	-2.33	8.14E-05	2.18E-04
CELF3	-4.53	8.15E-05	2.18E-04
KDELC1P1	-4.65	8.17E-05	2.19E-04
INSIG2	-0.55	8.17E-05	2.19E-04
CERKL	1.87	8.18E-05	2.19E-04
NRAS	-0.57	8.20E-05	2.19E-04
THSD4-AS1	-3.13	8.21E-05	2.20E-04
CTB-174D11.1	-2.55	8.21E-05	2.20E-04
RP11-474B12.1	-2.07	8.22E-05	2.20E-04
AP001205.1	-2.93	8.23E-05	2.20E-04
UBA5	-0.34	8.23E-05	2.20E-04
URB1	-0.54	8.23E-05	2.20E-04
TMEM223	0.58	8.23E-05	2.20E-04
RN7SL284P	-4.50	8.24E-05	2.20E-04
RP11-332L8.1	-4.57	8.25E-05	2.21E-04
RNF185	0.51	8.26E-05	2.21E-04

RP11-57K17.1	-3.18	8.30E-05	2.22E-04
RHOD	0.73	8.33E-05	2.23E-04
SV2C	-1.48	8.34E-05	2.23E-04
RP11-259F16.3	-4.54	8.34E-05	2.23E-04
MIR5692C1	-4.68	8.35E-05	2.23E-04
FAM21FP	1.22	8.35E-05	2.23E-04
CTD-2515H24.4	-4.83	8.35E-05	2.23E-04
CLPTM1L	0.36	8.35E-05	2.23E-04
RP11-413H22.3	-2.65	8.36E-05	2.24E-04
AC006372.4	3.54	8.37E-05	2.24E-04
RP11-454H13.1	-4.54	8.37E-05	2.24E-04
RP1-121G13.3	-3.64	8.38E-05	2.24E-04
RP1-20B11.2	-2.55	8.39E-05	2.24E-04
RP1-256G22.2	-2.34	8.40E-05	2.25E-04
GRIA1	2.16	8.41E-05	2.25E-04
FRG1BP	0.82	8.41E-05	2.25E-04
RP11-474P2.4	-4.18	8.43E-05	2.25E-04
CTD-2540B15.9	-4.57	8.46E-05	2.26E-04
COX6CP10	-4.63	8.46E-05	2.26E-04
CHTF8	0.46	8.47E-05	2.26E-04
RP11-95H11.1	-4.83	8.48E-05	2.26E-04
RP5-956O18.2	-3.24	8.49E-05	2.27E-04
GPR157	-0.73	8.49E-05	2.27E-04
FLII	0.40	8.50E-05	2.27E-04
RP11-641C17.3	-4.71	8.50E-05	2.27E-04
HAP1	2.05	8.52E-05	2.28E-04
SRD5A3	0.82	8.52E-05	2.28E-04
PDC	-3.78	8.53E-05	2.28E-04
HERC6	1.11	8.54E-05	2.28E-04
AC074117.10	0.86	8.56E-05	2.28E-04
HSPE1P26	-4.24	8.56E-05	2.28E-04
ITGAM	1.58	8.56E-05	2.28E-04
RP3-391O22.1	-4.59	8.57E-05	2.29E-04
ENTPD2	1.22	8.57E-05	2.29E-04
RP11-47G11.2	-3.04	8.59E-05	2.29E-04
RP11-405L18.4	-4.19	8.60E-05	2.29E-04
AC010226.4	-1.31	8.61E-05	2.30E-04
ACSM3	-1.97	8.62E-05	2.30E-04
GAPDHS	-2.29	8.62E-05	2.30E-04
PLA2G7	-1.70	8.62E-05	2.30E-04
ZNF346-IT1	-2.15	8.65E-05	2.31E-04
GCNT1P3	-3.81	8.65E-05	2.31E-04
AF127577.11	-2.69	8.66E-05	2.31E-04
P2RX2	-4.69	8.66E-05	2.31E-04
LINC00511	0.73	8.66E-05	2.31E-04

CTC-277H1.7	1.88	8.67E-05	2.31E-04
STRA6	3.13	8.68E-05	2.31E-04
RP11-15A1.2	-3.01	8.68E-05	2.31E-04
RNU6-681P	-4.57	8.70E-05	2.32E-04
H2AFZP1	-4.64	8.70E-05	2.32E-04
RP11-834C11.8	-2.57	8.71E-05	2.32E-04
SNAP47-AS1	-4.54	8.72E-05	2.32E-04
TMCO1	0.52	8.72E-05	2.32E-04
TUB	-0.92	8.73E-05	2.33E-04
MAST3	-0.65	8.76E-05	2.33E-04
DNAJC6	-0.91	8.77E-05	2.33E-04
RP11-248J18.3	-1.08	8.77E-05	2.34E-04
SPAG4	2.10	8.78E-05	2.34E-04
G3769	-5.08	8.83E-05	2.35E-04
MZT1P1	-4.63	8.83E-05	2.35E-04
STON2	-0.63	8.84E-05	2.35E-04
C15orf61	-0.55	8.84E-05	2.35E-04
AC012513.4	-4.43	8.85E-05	2.36E-04
RN7SKP237	-4.55	8.86E-05	2.36E-04
RHBDL1	1.66	8.87E-05	2.36E-04
G22682	-2.30	8.88E-05	2.36E-04
ESYT3	-0.91	8.88E-05	2.36E-04
LRP11	-0.40	8.88E-05	2.36E-04
SLC25A36	-0.59	8.89E-05	2.36E-04
EIF2AK2	-0.68	8.89E-05	2.36E-04
WDFY1	-0.50	8.89E-05	2.36E-04
RAD9B	-1.16	8.89E-05	2.36E-04
PSMD12	-0.55	8.90E-05	2.37E-04
TRIM63	-1.33	8.91E-05	2.37E-04
ADORA2A-AS1	-2.28	8.92E-05	2.37E-04
SNORA43	-4.42	8.92E-05	2.37E-04
XLOC_000828	-4.57	8.93E-05	2.37E-04
CDK5RAP3	0.83	8.93E-05	2.37E-04
RP11-374F3.5	-4.58	8.94E-05	2.38E-04
RP11-255P5.2	-4.19	8.94E-05	2.38E-04
RP11-354E23.5	-3.21	8.94E-05	2.38E-04
DZIP1L	-1.19	8.95E-05	2.38E-04
DNAJA4	-0.55	8.95E-05	2.38E-04
RP11-1149O23.2	-1.34	8.95E-05	2.38E-04
PLA2G12A	-0.48	8.95E-05	2.38E-04
SLC4A5	-1.44	8.97E-05	2.38E-04
RP11-327F22.4	-3.20	8.98E-05	2.38E-04
CTA-797E19.2	-4.66	8.98E-05	2.39E-04
RP1-199J3.7	-3.59	8.98E-05	2.39E-04
SWSAP1	0.83	8.99E-05	2.39E-04

Gene	Value	P-value	Adj P-value
ARHGAP26-AS1	-4.80	8.99E-05	2.39E-04
TMEM41A	-0.33	9.00E-05	2.39E-04
LSINCT5	-4.69	9.01E-05	2.39E-04
RP11-118E18.1	-4.60	9.02E-05	2.39E-04
CTD-2024I7.1	-4.28	9.02E-05	2.39E-04
FOXO4	0.54	9.03E-05	2.40E-04
RP11-1250I15.2	-4.44	9.04E-05	2.40E-04
SNX19	-0.47	9.06E-05	2.40E-04
RP11-567M16.5	-4.47	9.07E-05	2.41E-04
NDUFS5P1	-4.51	9.08E-05	2.41E-04
RP11-10N23.2	-1.10	9.09E-05	2.41E-04
DGCR2	0.45	9.11E-05	2.42E-04
ELMSAN1	-0.65	9.12E-05	2.42E-04
CCDC181	-1.72	9.13E-05	2.42E-04
INO80E	0.99	9.13E-05	2.42E-04
CTD-2566J3.2	-4.96	9.14E-05	2.42E-04
PNOC	-4.63	9.16E-05	2.43E-04
IL12RB1	1.69	9.16E-05	2.43E-04
TRAT1	-2.13	9.17E-05	2.43E-04
HSPD1P9	-5.14	9.17E-05	2.43E-04
RPL6	0.60	9.17E-05	2.43E-04
RP11-103B5.4	-2.17	9.20E-05	2.44E-04
RPL11	0.64	9.21E-05	2.44E-04
KRT18P59	-2.30	9.21E-05	2.44E-04
HOXB6	2.14	9.21E-05	2.44E-04
RP11-80H5.9	-2.30	9.21E-05	2.44E-04
AC003989.3	-3.41	9.22E-05	2.44E-04
C5AR2	1.39	9.24E-05	2.45E-04
SPAG16	-0.71	9.24E-05	2.45E-04
RP3-495K2.3	-4.68	9.24E-05	2.45E-04
CTD-3088G3.4	-2.67	9.24E-05	2.45E-04
RP11-523H24.3	-2.55	9.25E-05	2.45E-04
ZBTB20-AS4	-2.32	9.26E-05	2.45E-04
G2449	-3.09	9.26E-05	2.45E-04
ZNF559-ZNF177	-3.72	9.28E-05	2.46E-04
RP11-1079K10.3	-3.64	9.28E-05	2.46E-04
CRHBP	2.51	9.29E-05	2.46E-04
GDAP1L1	-2.97	9.29E-05	2.46E-04
HNRNPA1P14	-4.51	9.30E-05	2.46E-04
ANXA8L2	0.82	9.30E-05	2.46E-04
AC092155.4	-4.69	9.31E-05	2.46E-04
POGLUT1	-0.53	9.31E-05	2.46E-04
RP11-83M16.6	-3.85	9.32E-05	2.46E-04
VAMP4	-0.45	9.32E-05	2.47E-04
RP5-908M14.9	1.28	9.32E-05	2.47E-04

OGFOD1P1	-4.52	9.32E-05	2.47E-04
SGPP1	-0.86	9.32E-05	2.47E-04
TSEN15P2	-4.28	9.33E-05	2.47E-04
ISLR	1.73	9.34E-05	2.47E-04
RP3-417G15.1	-1.17	9.35E-05	2.47E-04
PRAM1	2.15	9.36E-05	2.47E-04
DPRXP3	-4.43	9.37E-05	2.48E-04
ADPRHL1	1.10	9.38E-05	2.48E-04
AC024257.1	-4.28	9.38E-05	2.48E-04
HDGF	0.53	9.38E-05	2.48E-04
RPS10P16	-4.20	9.42E-05	2.49E-04
RP11-521L9.2	-4.44	9.45E-05	2.50E-04
ZBTB2	-0.53	9.49E-05	2.51E-04
MIR640	-4.79	9.50E-05	2.51E-04
RP11-264J4.8	-4.24	9.50E-05	2.51E-04
RNU6-1267P	-3.14	9.51E-05	2.51E-04
U8	-3.34	9.51E-05	2.51E-04
PSTPIP1	1.27	9.52E-05	2.52E-04
RP11-329A14.1	-4.49	9.52E-05	2.52E-04
CBX6	0.75	9.53E-05	2.52E-04
LINC01132	1.81	9.55E-05	2.52E-04
CTB-49A3.5	-2.87	9.57E-05	2.53E-04
RASSF3	0.51	9.57E-05	2.53E-04
BCAN	-1.59	9.58E-05	2.53E-04
FAM174B	0.78	9.59E-05	2.53E-04
RPS5P2	-4.47	9.60E-05	2.53E-04
XLOC_013940	-2.72	9.60E-05	2.53E-04
RP11-240E2.2	-3.01	9.61E-05	2.54E-04
SH3GL3	1.90	9.61E-05	2.54E-04
ST8SIA4	1.40	9.61E-05	2.54E-04
RPLP1P6	1.38	9.61E-05	2.54E-04
RP11-15E18.5	-4.42	9.62E-05	2.54E-04
RBM38	0.85	9.64E-05	2.54E-04
LL21NC02-1C16.2	2.09	9.65E-05	2.54E-04
GPC6	1.88	9.67E-05	2.55E-04
ATP13A5	-1.42	9.69E-05	2.55E-04
RP1-21O18.3	-4.52	9.70E-05	2.56E-04
RP11-442G21.2	-2.96	9.72E-05	2.56E-04
LINC00282	-4.16	9.75E-05	2.57E-04
RP11-104E19.1	-4.56	9.75E-05	2.57E-04
G13446	-4.79	9.76E-05	2.57E-04
COL27A1	1.00	9.77E-05	2.58E-04
RP11-16C1.1	-4.60	9.77E-05	2.58E-04
EXOSC1	0.54	9.78E-05	2.58E-04
METTL9	0.55	9.79E-05	2.58E-04

DPPA2P1	-4.50	9.80E-05	2.58E-04
VIM	1.00	9.81E-05	2.58E-04
ARL13A	-1.70	9.81E-05	2.59E-04
SNAPC3	-0.43	9.81E-05	2.59E-04
COX6CP14	-4.71	9.82E-05	2.59E-04
GVQW1	-1.33	9.82E-05	2.59E-04
DKFZp779M0652	3.98	9.83E-05	2.59E-04
COQ10BP2	-4.54	9.83E-05	2.59E-04
RP4-669H2.1	-2.50	9.85E-05	2.59E-04
RHOXF2	-4.83	9.87E-05	2.60E-04
TP53	0.44	9.89E-05	2.61E-04
ZBTB7C	0.78	9.91E-05	2.61E-04
RP11-100G15.4	-4.67	9.95E-05	2.62E-04
PTDSS1	-0.50	9.96E-05	2.62E-04
RN7SL173P	-4.61	9.96E-05	2.62E-04
AC012314.8	-1.62	9.97E-05	2.62E-04
MAPK1IP1L	-0.43	9.97E-05	2.62E-04
ZNF670	-0.68	9.98E-05	2.63E-04
TDP2	0.68	9.99E-05	2.63E-04
PTCH1	-0.76	9.99E-05	2.63E-04
SCN4A	3.85	1.00E-04	2.63E-04
RP11-452H21.4	-1.65	1.00E-04	2.63E-04
RP11-321C24.4	-4.43	1.00E-04	2.63E-04
RP11-271C24.3	-1.80	1.00E-04	2.63E-04
RP11-18B16.2	5.06	1.00E-04	2.63E-04
RP11-169K17.2	-4.76	1.00E-04	2.64E-04
RP11-219B4.5	-4.24	1.00E-04	2.64E-04
ALDOB	-2.32	1.00E-04	2.64E-04
XLOC_007629	-4.60	1.01E-04	2.64E-04
AC017104.6	2.37	1.01E-04	2.65E-04
CAPRIN2	-0.73	1.01E-04	2.65E-04
G10910	-1.86	1.01E-04	2.65E-04
RP11-708J19.3	-2.30	1.01E-04	2.65E-04
RNU7-18P	-4.45	1.01E-04	2.65E-04
KLHL7	-0.52	1.01E-04	2.66E-04
LSMEM2	-4.48	1.01E-04	2.66E-04
KIF11	-0.71	1.01E-04	2.66E-04
SNORD91A	-4.46	1.02E-04	2.67E-04
APBA1	-0.56	1.02E-04	2.67E-04
SMG1P5	-1.50	1.02E-04	2.67E-04
RP11-361L15.5	-2.21	1.02E-04	2.67E-04
KDM5C-IT1	-4.42	1.02E-04	2.68E-04
ADAM15	0.54	1.02E-04	2.68E-04
AC034220.3	-1.38	1.02E-04	2.68E-04
ASPN	1.48	1.02E-04	2.68E-04

G15373	-1.72	1.02E-04	2.69E-04
WWP1	-0.53	1.02E-04	2.69E-04
AP000560.1	-4.69	1.02E-04	2.69E-04
PDCL3P5	-1.94	1.02E-04	2.69E-04
RP11-12O16.1	-4.85	1.02E-04	2.69E-04
RPS12P20	-4.54	1.03E-04	2.69E-04
RP11-322D14.2	-4.46	1.03E-04	2.70E-04
RP11-162A12.2	1.09	1.03E-04	2.71E-04
RP11-96D1.5	-2.30	1.03E-04	2.71E-04
ARHGAP44	0.93	1.04E-04	2.72E-04
PSMD8P1	-4.21	1.04E-04	2.73E-04
MMAA	-0.65	1.04E-04	2.73E-04
RP3-426I6.5	-2.43	1.04E-04	2.73E-04
RNU6-523P	-4.46	1.04E-04	2.73E-04
GJB7	-2.13	1.04E-04	2.73E-04
AC105461.1	-4.74	1.05E-04	2.74E-04
EPB42	-2.87	1.05E-04	2.75E-04
ENSA	0.48	1.05E-04	2.75E-04
CEP112	0.98	1.05E-04	2.75E-04
RNY3P7	-3.79	1.05E-04	2.75E-04
RP5-875H18.4	-4.39	1.05E-04	2.76E-04
LINC00920	0.99	1.05E-04	2.76E-04
ITPRIPL1	0.96	1.05E-04	2.76E-04
RP11-434E6.4	0.90	1.05E-04	2.76E-04
RP11-343C2.10	-4.43	1.05E-04	2.76E-04
GCK	3.25	1.05E-04	2.76E-04
RP11-425D17.2	-3.36	1.05E-04	2.76E-04
SMO	0.69	1.06E-04	2.77E-04
RP1-206D15.6	-1.12	1.06E-04	2.77E-04
RP11-530N7.2	-3.77	1.06E-04	2.77E-04
GTF3C1	-0.43	1.06E-04	2.77E-04
RP11-138H8.2	-4.39	1.06E-04	2.77E-04
APBB3	1.20	1.06E-04	2.77E-04
SUPT16HP1	-3.20	1.06E-04	2.78E-04
PKDCC	1.69	1.06E-04	2.78E-04
RP11-486B10.3	-4.34	1.06E-04	2.78E-04
CYYR1-AS1	-2.44	1.06E-04	2.78E-04
GAB1	-0.63	1.06E-04	2.78E-04
MB	2.46	1.06E-04	2.79E-04
RP11-1191J2.4	-4.67	1.07E-04	2.79E-04
XXbac-B444P24.13	-1.91	1.07E-04	2.79E-04
RPSAP12	-1.68	1.07E-04	2.80E-04
G40985	-3.23	1.07E-04	2.80E-04
METTL21AP1	-4.22	1.07E-04	2.80E-04
INPP1	0.54	1.07E-04	2.80E-04

MC5R	-4.82	1.07E-04	2.81E-04
RPL35P3	-4.34	1.08E-04	2.81E-04
CTA-246H3.11	-2.14	1.08E-04	2.81E-04
OMG	-1.93	1.08E-04	2.82E-04
ZIK1	-0.82	1.08E-04	2.82E-04
RAB25	0.74	1.08E-04	2.82E-04
RP11-325K4.2	-1.88	1.08E-04	2.82E-04
C1orf195	-3.49	1.08E-04	2.82E-04
TMEM97	-1.79	1.08E-04	2.83E-04
MAP3K9	-0.88	1.08E-04	2.83E-04
CTD-2366F13.2	-2.04	1.08E-04	2.83E-04
BISPR	1.80	1.08E-04	2.83E-04
CAV1	0.64	1.09E-04	2.84E-04
TATDN2P2	-1.00	1.09E-04	2.84E-04
MIR1276	-4.61	1.09E-04	2.85E-04
PRTFDC1	1.16	1.09E-04	2.85E-04
RP1-274L7.4	-3.77	1.09E-04	2.85E-04
MIR100HG	-1.95	1.09E-04	2.85E-04
RP11-479G22.8	1.08	1.09E-04	2.85E-04
RP11-188P20.3	-2.03	1.09E-04	2.86E-04
MTND5P14	-4.54	1.09E-04	2.86E-04
RP11-21M7.2	-4.64	1.09E-04	2.86E-04
SNAPC5	0.49	1.09E-04	2.86E-04
ATP6V1B1	2.73	1.10E-04	2.86E-04
RP11-342F17.1	-4.75	1.10E-04	2.86E-04
RP11-204K16.1	-4.55	1.10E-04	2.87E-04
GAPDHP47	-4.61	1.10E-04	2.87E-04
APOBEC3B	1.40	1.10E-04	2.88E-04
RAC2	1.66	1.10E-04	2.88E-04
RGPD8	-1.01	1.10E-04	2.88E-04
HNRNPA1P21	-2.23	1.10E-04	2.88E-04
FAM118B	0.54	1.11E-04	2.89E-04
AC004237.1	-2.27	1.11E-04	2.89E-04
PRR5L	1.41	1.11E-04	2.89E-04
C4orf27	0.54	1.11E-04	2.89E-04
ZNF449	-0.78	1.11E-04	2.89E-04
RP5-1029F21.2	-4.16	1.11E-04	2.89E-04
RP5-1115A15.1	-2.00	1.11E-04	2.90E-04
COX7A2	0.68	1.11E-04	2.90E-04
RP11-434E6.2	-5.23	1.11E-04	2.90E-04
RP11-224O19.4	-4.62	1.11E-04	2.90E-04
MYADM	1.15	1.12E-04	2.91E-04
EXOC7	0.29	1.12E-04	2.91E-04
AC006372.5	4.28	1.12E-04	2.92E-04
RP11-396F22.1	2.33	1.12E-04	2.93E-04

OR10J2P	-4.72	1.13E-04	2.93E-04
SORCS3	-3.22	1.13E-04	2.93E-04
ZNF285	-1.49	1.13E-04	2.93E-04
AKR1A1	0.64	1.13E-04	2.93E-04
GCNT1P1	-4.49	1.13E-04	2.94E-04
AC078852.1	-4.58	1.13E-04	2.94E-04
CTD-2340D6.1	-4.54	1.13E-04	2.94E-04
HIST3H2A	0.80	1.13E-04	2.94E-04
RAPGEF4-AS1	-3.34	1.13E-04	2.94E-04
RP11-139H14.5	-2.86	1.13E-04	2.94E-04
CADPS2	0.90	1.13E-04	2.94E-04
RNF222	0.99	1.13E-04	2.94E-04
SATB2-AS1	2.55	1.13E-04	2.94E-04
MS4A6A	1.89	1.13E-04	2.95E-04
RP11-389C8.2	1.05	1.13E-04	2.95E-04
RPS15AP36	-4.39	1.13E-04	2.95E-04
CHST15	0.74	1.13E-04	2.95E-04
RP11-39K24.4	-3.72	1.14E-04	2.96E-04
RP11-235E17.5	-3.33	1.14E-04	2.96E-04
CDAN1	0.64	1.14E-04	2.96E-04
KCNIP3	0.95	1.14E-04	2.97E-04
RP11-347C12.3	4.23	1.14E-04	2.97E-04
G2523	-4.03	1.14E-04	2.97E-04
RP3-510H16.3	-4.33	1.15E-04	2.98E-04
RP11-466A19.3	-4.48	1.15E-04	2.98E-04
CFAP52	-2.84	1.15E-04	2.98E-04
GAPDHP51	-4.70	1.15E-04	2.98E-04
KIF20B	-0.74	1.15E-04	2.98E-04
TRIM38	0.45	1.15E-04	2.99E-04
RN7SL362P	-4.54	1.15E-04	2.99E-04
G36840	-1.76	1.15E-04	2.99E-04
AC011753.5	-3.23	1.15E-04	2.99E-04
SEC62	0.63	1.15E-04	3.00E-04
PTRH2	0.44	1.15E-04	3.00E-04
KCNQ4	1.95	1.15E-04	3.00E-04
LINC01362	-4.06	1.16E-04	3.00E-04
AC107072.2	-4.23	1.16E-04	3.00E-04
RP11-749I16.3	-3.67	1.16E-04	3.01E-04
PSMA4	0.63	1.16E-04	3.01E-04
KLHL29	-0.68	1.16E-04	3.01E-04
SPEF2	-1.00	1.16E-04	3.01E-04
RNF144A	0.85	1.16E-04	3.01E-04
RP1-12G14.9	-1.91	1.16E-04	3.01E-04
KIAA0125	-4.83	1.16E-04	3.01E-04
RP11-272L13.4	-4.78	1.16E-04	3.01E-04

RP11-536K7.3	1.76	1.16E-04	3.01E-04
RP11-133N21.10	-2.13	1.16E-04	3.02E-04
UTAT33	-2.13	1.17E-04	3.03E-04
HSP90AB1	0.56	1.17E-04	3.03E-04
CDC42EP4	0.64	1.17E-04	3.03E-04
LINC01620	-4.56	1.17E-04	3.03E-04
RP11-109L13.1	4.70	1.17E-04	3.03E-04
RAD17P1	-5.15	1.17E-04	3.04E-04
XLOC_009777	-3.19	1.18E-04	3.05E-04
RP11-425L10.1	-0.92	1.18E-04	3.06E-04
CNOT7	-0.50	1.18E-04	3.06E-04
CTB-152G17.5	-4.43	1.18E-04	3.06E-04
MAML2	-0.58	1.18E-04	3.06E-04
PDE5A	0.79	1.18E-04	3.06E-04
RP11-360D2.2	-4.50	1.18E-04	3.06E-04
RP11-713M15.1	-3.26	1.18E-04	3.06E-04
RP11-401P9.6	-4.24	1.18E-04	3.07E-04
RP11-180P8.4	-4.54	1.18E-04	3.07E-04
PCDHB4	1.25	1.19E-04	3.07E-04
7SK	-2.93	1.19E-04	3.07E-04
RP11-115A14.1	-4.49	1.19E-04	3.08E-04
SEPT7P1	-4.46	1.19E-04	3.08E-04
SLC35E2	-0.87	1.19E-04	3.09E-04
RP11-649A18.3	-4.43	1.19E-04	3.09E-04
RP3-431P23.5	3.69	1.19E-04	3.09E-04
TRIM39	0.46	1.19E-04	3.09E-04
RP11-1275H24.2	-1.76	1.20E-04	3.10E-04
PHBP2	-3.41	1.20E-04	3.10E-04
NIPAL2	-0.67	1.20E-04	3.10E-04
AC008268.1	-4.84	1.20E-04	3.10E-04
TMEM184A	1.03	1.20E-04	3.10E-04
MIR181A2	-4.55	1.20E-04	3.11E-04
RP11-554A11.4	2.29	1.20E-04	3.11E-04
RP11-80I15.4	-2.91	1.20E-04	3.11E-04
MIR604	-4.38	1.20E-04	3.11E-04
RP11-439H8.4	-4.44	1.20E-04	3.11E-04
PPP4R1	0.47	1.20E-04	3.12E-04
RNF182	2.03	1.20E-04	3.12E-04
RNU6-126P	-4.16	1.21E-04	3.13E-04
TMED6	-1.45	1.21E-04	3.13E-04
RP11-804H8.6	-1.50	1.21E-04	3.13E-04
GRIN2A	-2.05	1.21E-04	3.13E-04
CDH19	-1.31	1.21E-04	3.14E-04
SPINK1	-1.94	1.21E-04	3.14E-04
PPP2R1B	-0.43	1.21E-04	3.14E-04

RP11-1007O24.3	-1.06	1.21E-04	3.14E-04
MAP3K12	1.06	1.21E-04	3.14E-04
G41235	-2.79	1.22E-04	3.15E-04
RP11-654A16.1	-4.89	1.22E-04	3.16E-04
RP11-183I6.2	-4.52	1.22E-04	3.16E-04
MIR548H1	-4.59	1.22E-04	3.16E-04
SNORA72	-2.83	1.22E-04	3.16E-04
SLC25A43	-0.51	1.22E-04	3.16E-04
RP11-493E12.2	-2.02	1.22E-04	3.16E-04
ZCCHC9	0.50	1.22E-04	3.16E-04
RP11-274B21.1	-1.47	1.23E-04	3.18E-04
G2899	-2.18	1.23E-04	3.18E-04
PRR4	-1.66	1.23E-04	3.18E-04
MAMSTR	1.24	1.23E-04	3.18E-04
CTC-348L5.1	-3.44	1.23E-04	3.19E-04
RP11-438F14.3	-5.25	1.24E-04	3.19E-04
CAMKV	-4.25	1.24E-04	3.19E-04
RP11-650J17.1	-4.50	1.24E-04	3.20E-04
CTD-3096P4.1	-4.55	1.24E-04	3.20E-04
MCCC1-AS1	-2.99	1.24E-04	3.21E-04
FUT2	1.01	1.25E-04	3.23E-04
UBE2FP1	-1.20	1.25E-04	3.23E-04
C1orf53	1.32	1.25E-04	3.23E-04
FRMD4B	-0.51	1.25E-04	3.23E-04
HTRA4	2.54	1.25E-04	3.23E-04
RP1-266L20.2	1.79	1.25E-04	3.23E-04
RPL10A	0.59	1.25E-04	3.23E-04
PLA2G5	2.75	1.26E-04	3.24E-04
UBE2G2	0.42	1.26E-04	3.24E-04
RP11-545I5.3	-0.79	1.26E-04	3.24E-04
RP4-814D15.2	-2.18	1.26E-04	3.24E-04
RNU6-1237P	-4.51	1.26E-04	3.25E-04
RNU6-943P	-4.56	1.26E-04	3.25E-04
AC006557.1	-4.74	1.26E-04	3.26E-04
RP1-142L7.5	-2.13	1.26E-04	3.26E-04
AC007036.6	-2.06	1.27E-04	3.26E-04
AC007879.5	-4.30	1.27E-04	3.26E-04
CCR9	-4.58	1.27E-04	3.27E-04
LINC01300	-2.50	1.27E-04	3.27E-04
CTD-2027I19.2	-2.16	1.27E-04	3.27E-04
FAM175B	-0.52	1.27E-04	3.28E-04
RP11-97N19.3	-4.27	1.27E-04	3.28E-04
SIGLEC9	2.41	1.27E-04	3.28E-04
PCDHB6	1.54	1.28E-04	3.30E-04
RPL36AP33	-4.64	1.28E-04	3.30E-04

CTSK	1.63	1.28E-04	3.30E-04
BPGM	0.56	1.28E-04	3.30E-04
XLOC_010601	-4.80	1.28E-04	3.30E-04
GABRP	2.99	1.29E-04	3.31E-04
ARHGAP26-IT1	-4.72	1.29E-04	3.32E-04
RP1-78O14.1	2.38	1.29E-04	3.32E-04
RP11-732M18.4	-4.29	1.29E-04	3.33E-04
G25046	-4.27	1.29E-04	3.33E-04
TMEM108-AS1	-3.24	1.29E-04	3.33E-04
CACNA2D3-AS1	-4.45	1.30E-04	3.34E-04
CRB2	-1.93	1.30E-04	3.35E-04
ENTPD8	-4.49	1.30E-04	3.35E-04
HGSNAT	0.45	1.30E-04	3.36E-04
COX8A	-0.66	1.30E-04	3.36E-04
EIF3L	-0.55	1.31E-04	3.36E-04
RP11-553K8.5	-4.44	1.31E-04	3.36E-04
AP000662.9	-4.30	1.31E-04	3.36E-04
RNU6-1157P	-4.46	1.31E-04	3.37E-04
TVP23C	-1.09	1.31E-04	3.37E-04
E2F7	-0.87	1.31E-04	3.37E-04
SIGLEC7	3.99	1.31E-04	3.37E-04
RPS24P16	-4.66	1.31E-04	3.37E-04
PUM1	-0.34	1.31E-04	3.38E-04
RP11-227G15.10	1.96	1.31E-04	3.38E-04
SAP130	0.44	1.31E-04	3.38E-04
UGCG	-0.66	1.32E-04	3.39E-04
DCHS2	-1.66	1.32E-04	3.40E-04
RPL23AP55	-4.31	1.32E-04	3.40E-04
GPR150	1.75	1.32E-04	3.40E-04
MAGEH1	0.97	1.32E-04	3.40E-04
APOBEC3F	1.19	1.32E-04	3.40E-04
PANO1	1.83	1.32E-04	3.40E-04
ARSE	1.83	1.32E-04	3.40E-04
RP11-423O2.2	-4.49	1.32E-04	3.40E-04
AC004540.5	2.22	1.32E-04	3.40E-04
SNORD85	-4.66	1.32E-04	3.41E-04
CRACR2B	2.22	1.33E-04	3.42E-04
CKB	0.92	1.33E-04	3.42E-04
ZDHHC4	0.70	1.33E-04	3.42E-04
CTD-2308L22.1	1.15	1.33E-04	3.42E-04
RP11-884K10.7	-0.71	1.33E-04	3.42E-04
RNU1-2	-2.90	1.33E-04	3.42E-04
ZIC1	2.12	1.33E-04	3.43E-04
ISLR2	2.17	1.33E-04	3.43E-04
RN7SL285P	-4.50	1.34E-04	3.44E-04

MOCS2	0.52	1.34E-04	3.44E-04
LA16c-380H5.3	-4.47	1.34E-04	3.44E-04
ZNF887P	-1.29	1.34E-04	3.44E-04
CTA-243E7.4	-4.27	1.34E-04	3.44E-04
RPL27P12	-4.68	1.34E-04	3.44E-04
MTND2P5	-4.49	1.34E-04	3.44E-04
FGR	1.35	1.34E-04	3.45E-04
RP11-477J21.6	-4.16	1.34E-04	3.45E-04
HMGB1P23	-4.48	1.34E-04	3.45E-04
PRMT1P1	-4.61	1.34E-04	3.45E-04
RP3-337H4.6	-2.27	1.34E-04	3.45E-04
RCOR2	1.34	1.35E-04	3.45E-04
RN7SKP95	-4.70	1.35E-04	3.46E-04
AC067940.1	-4.52	1.35E-04	3.46E-04
CCDC84	-1.07	1.35E-04	3.46E-04
MXD3	1.00	1.35E-04	3.46E-04
PHC1P1	1.70	1.35E-04	3.47E-04
NMD3P1	-2.63	1.35E-04	3.47E-04
NHLRC4	2.32	1.35E-04	3.47E-04
PTMAP3	-4.53	1.35E-04	3.47E-04
G32422	-2.58	1.35E-04	3.47E-04
C18orf15	-4.60	1.36E-04	3.48E-04
CTC-137K3.1	-4.26	1.36E-04	3.48E-04
CD80	-3.27	1.36E-04	3.48E-04
SNRPGP5	-4.31	1.36E-04	3.49E-04
DESI2	-0.56	1.36E-04	3.49E-04
SNORA3	-2.35	1.36E-04	3.49E-04
LCMT2	-0.37	1.36E-04	3.50E-04
RN7SL109P	-4.28	1.37E-04	3.50E-04
CCDC59	0.60	1.37E-04	3.51E-04
RP11-397O4.1	-4.47	1.37E-04	3.51E-04
RP11-410L14.1	-3.13	1.37E-04	3.51E-04
TBX21	2.53	1.37E-04	3.51E-04
RNY5P5	-4.61	1.37E-04	3.52E-04
KCNK10	2.54	1.38E-04	3.53E-04
SEC24B-AS1	-0.99	1.38E-04	3.53E-04
TAGAP	-0.93	1.38E-04	3.54E-04
CES4A	-1.17	1.38E-04	3.54E-04
USP21	0.70	1.38E-04	3.54E-04
MIR5706	-4.62	1.39E-04	3.55E-04
RP11-46D1.2	-4.49	1.39E-04	3.55E-04
HOXB13	8.66	1.39E-04	3.55E-04
CTD-2293H3.1	-2.48	1.39E-04	3.55E-04
AC006116.20	-1.39	1.39E-04	3.56E-04
IFT52	0.60	1.39E-04	3.56E-04

COL8A2	1.14	1.39E-04	3.56E-04
CTC-398G3.2	-4.38	1.39E-04	3.57E-04
TFAP4	0.68	1.40E-04	3.57E-04
RP11-193I22.2	-4.42	1.40E-04	3.58E-04
RP11-48B3.5	1.41	1.40E-04	3.58E-04
AP000719.1	-4.49	1.40E-04	3.58E-04
RP11-48B14.1	-1.80	1.40E-04	3.58E-04
RP1-168P16.1	-4.78	1.40E-04	3.59E-04
SEC14L4	-3.47	1.41E-04	3.60E-04
ALAS1	0.73	1.41E-04	3.60E-04
KCNG3	-1.62	1.41E-04	3.60E-04
GMNN	-0.68	1.41E-04	3.60E-04
NANOGP2	-3.79	1.41E-04	3.61E-04
RP11-50B3.4	-2.64	1.42E-04	3.62E-04
PRPS1P2	-1.53	1.42E-04	3.62E-04
SLC35E3	0.56	1.42E-04	3.62E-04
RP11-67L3.2	-2.27	1.42E-04	3.62E-04
MIR567	-4.33	1.42E-04	3.63E-04
RP11-386I23.1	-2.80	1.42E-04	3.63E-04
VWDE	-2.68	1.42E-04	3.63E-04
RP11-308D16.2	-1.07	1.42E-04	3.64E-04
SLC27A4	0.67	1.42E-04	3.64E-04
RPL5P11	-4.75	1.43E-04	3.64E-04
OR2A9P	-2.16	1.43E-04	3.65E-04
AMD1	-0.54	1.43E-04	3.66E-04
RP11-296K13.4	-3.15	1.43E-04	3.66E-04
TIMELESS	0.71	1.43E-04	3.66E-04
RP11-78O7.1	-4.35	1.44E-04	3.67E-04
AC110299.5	-3.33	1.44E-04	3.67E-04
NFE2L2	-0.56	1.44E-04	3.68E-04
AC073326.3	-3.79	1.44E-04	3.68E-04
KHDRBS1	0.41	1.44E-04	3.68E-04
RP11-295D4.4	-2.25	1.44E-04	3.68E-04
NBPF10	-0.50	1.44E-04	3.69E-04
NR6A1	-0.76	1.45E-04	3.69E-04
CCDC170	1.56	1.45E-04	3.69E-04
IL17B	1.99	1.45E-04	3.69E-04
RP4-718D20.3	-4.50	1.45E-04	3.69E-04
ACSF3	0.54	1.45E-04	3.69E-04
RP11-452N17.1	-2.07	1.45E-04	3.70E-04
LINC00565	2.98	1.45E-04	3.70E-04
CTD-2215E18.1	-4.49	1.45E-04	3.71E-04
COPS8	0.48	1.46E-04	3.71E-04
ENPP3	-1.34	1.46E-04	3.71E-04
CCK	4.61	1.46E-04	3.71E-04

AC106900.6	-4.69	1.46E-04	3.72E-04
AC015987.1	-2.37	1.46E-04	3.72E-04
MFAP4	1.62	1.46E-04	3.72E-04
KB-1090H4.2	-4.55	1.46E-04	3.72E-04
RPL15P18	-4.63	1.46E-04	3.72E-04
SETP20	-3.20	1.47E-04	3.74E-04
CALB2	2.30	1.47E-04	3.74E-04
ITIH2	-2.16	1.47E-04	3.74E-04
RP5-1154E9.7	-4.81	1.47E-04	3.74E-04
RP11-89N17.2	-4.76	1.48E-04	3.76E-04
PTMA	0.67	1.48E-04	3.76E-04
RP11-261C10.4	-4.58	1.48E-04	3.76E-04
CNTD2	2.47	1.48E-04	3.77E-04
SDC2	1.22	1.48E-04	3.77E-04
RP3-388M5.9	-1.76	1.48E-04	3.77E-04
EEF1A1P16	-4.59	1.48E-04	3.78E-04
RN7SKP30	-3.28	1.48E-04	3.78E-04
MIR4644	-4.54	1.49E-04	3.79E-04
AC126544.4	-2.21	1.49E-04	3.79E-04
MIR4714	-4.48	1.49E-04	3.80E-04
EVA1C	0.69	1.49E-04	3.80E-04
UTP14C	-0.42	1.49E-04	3.80E-04
DCUN1D3	-0.44	1.50E-04	3.81E-04
MED26	0.59	1.50E-04	3.81E-04
RP11-499O7.7	-3.50	1.50E-04	3.81E-04
RP11-10L12.1	-4.49	1.50E-04	3.82E-04
IRF6	-0.59	1.50E-04	3.82E-04
CTD-2587H19.3	-3.34	1.50E-04	3.82E-04
KDM5C	0.36	1.50E-04	3.82E-04
TRMT11	-0.51	1.50E-04	3.82E-04
AC007362.3	-3.27	1.50E-04	3.82E-04
MEFV	2.17	1.50E-04	3.82E-04
MIR550A1	-4.66	1.51E-04	3.83E-04
RP11-109I13.2	-3.42	1.51E-04	3.83E-04
ZNF728	-3.74	1.51E-04	3.83E-04
CWC22	-0.43	1.51E-04	3.83E-04
G28383	-2.15	1.51E-04	3.84E-04
RPL21P132	-4.24	1.51E-04	3.84E-04
DIP2A-IT1	-3.61	1.51E-04	3.84E-04
RP11-214K3.21	-3.08	1.51E-04	3.84E-04
GPSM2	-0.49	1.51E-04	3.84E-04
RP11-114F3.4	-4.20	1.51E-04	3.85E-04
TAS2R4	-1.79	1.52E-04	3.85E-04
OSBPL10-AS1	-2.63	1.52E-04	3.85E-04
RP3-486I3.7	-3.30	1.52E-04	3.86E-04

RP11-325E5.4	-4.51	1.52E-04	3.86E-04
GLT6D1	-4.50	1.52E-04	3.86E-04
TOB2	0.38	1.52E-04	3.87E-04
RP11-49K24.4	-4.16	1.52E-04	3.87E-04
RP13-991F5.2	-4.54	1.52E-04	3.87E-04
PLET1	-2.63	1.53E-04	3.88E-04
ZNF727	-1.86	1.53E-04	3.89E-04
RP11-329J18.3	-2.41	1.53E-04	3.89E-04
PAFAH1B2	-0.46	1.53E-04	3.89E-04
RP11-1055B8.10	-4.31	1.53E-04	3.90E-04
RP11-649A18.4	-4.09	1.53E-04	3.90E-04
FGF14-AS1	-4.60	1.54E-04	3.90E-04
NAMPT	0.77	1.54E-04	3.90E-04
RP11-307P5.1	-4.70	1.54E-04	3.90E-04
PPP1R7	0.47	1.54E-04	3.90E-04
ST6GALNAC4	1.59	1.54E-04	3.90E-04
RP11-57A1.1	-2.76	1.54E-04	3.90E-04
ABCB8	0.56	1.54E-04	3.91E-04
FBXO31	0.38	1.54E-04	3.91E-04
GATAD2B	-0.64	1.54E-04	3.91E-04
G10617	-3.15	1.54E-04	3.91E-04
DUOXA1	0.77	1.54E-04	3.91E-04
LSM11	-0.50	1.54E-04	3.91E-04
RP11-356J5.4	-4.63	1.55E-04	3.93E-04
RP11-754B17.1	-2.54	1.55E-04	3.93E-04
C8orf44	-1.12	1.55E-04	3.93E-04
CTC-499B15.6	-3.56	1.55E-04	3.94E-04
GAPDHP59	-4.53	1.56E-04	3.94E-04
RP11-211N11.5	-2.66	1.56E-04	3.95E-04
ST20	-1.55	1.56E-04	3.95E-04
KIAA0196-AS1	-2.97	1.56E-04	3.95E-04
PCDHAC2	2.25	1.56E-04	3.95E-04
RP11-84C10.3	-4.73	1.56E-04	3.96E-04
RP11-466F5.3	-3.05	1.57E-04	3.97E-04
MN1	1.41	1.57E-04	3.98E-04
PAQR8	-0.91	1.58E-04	4.00E-04
KIAA1614-AS1	-4.38	1.58E-04	4.00E-04
RP11-843A23.1	-2.70	1.58E-04	4.01E-04
CERS6-AS1	-4.20	1.58E-04	4.01E-04
AQP1	1.19	1.58E-04	4.01E-04
AC005288.1	-4.61	1.59E-04	4.02E-04
TAS1R3	-1.54	1.59E-04	4.02E-04
AC002401.1	-4.52	1.59E-04	4.03E-04
RN7SL65P	-4.77	1.59E-04	4.03E-04
AC011242.5	-4.62	1.59E-04	4.03E-04

VPRBP	-0.39	1.60E-04	4.04E-04
MBTPS1	0.33	1.60E-04	4.04E-04
FERMT2	1.19	1.60E-04	4.04E-04
RP11-420K8.1	-3.16	1.60E-04	4.05E-04
ZHX2	0.56	1.60E-04	4.05E-04
RP11-11M20.2	-4.51	1.60E-04	4.05E-04
SFMBT2	0.96	1.60E-04	4.06E-04
DNAJC27-AS1	-1.01	1.60E-04	4.06E-04
LINC00652	-2.15	1.60E-04	4.06E-04
ACP6	-0.89	1.60E-04	4.06E-04
SNORD113-4	-4.44	1.61E-04	4.06E-04
CTC-338M12.2	-4.71	1.61E-04	4.07E-04
GAL	-4.05	1.61E-04	4.07E-04
ARHGAP9	1.42	1.61E-04	4.07E-04
RP4-569M23.2	-1.45	1.61E-04	4.07E-04
SEZ6	-2.32	1.61E-04	4.07E-04
LSAMP	-0.89	1.61E-04	4.07E-04
KCTD5	0.54	1.61E-04	4.07E-04
CTD-2132N18.2	1.58	1.62E-04	4.09E-04
EIF4E2P1	-4.53	1.62E-04	4.09E-04
FAM60BP	-4.41	1.62E-04	4.09E-04
RP11-557J10.4	-2.67	1.62E-04	4.09E-04
PWWP2A	-0.35	1.62E-04	4.10E-04
KIAA0895L	1.21	1.62E-04	4.10E-04
RP13-455A7.1	-3.69	1.62E-04	4.10E-04
RP11-703M24.5	-4.73	1.63E-04	4.11E-04
RP11-423G4.10	-4.16	1.63E-04	4.11E-04
MIR544B	-4.49	1.63E-04	4.11E-04
RP11-480C16.1	-3.08	1.63E-04	4.11E-04
LINC00365	-2.50	1.63E-04	4.11E-04
SYNPR	4.19	1.63E-04	4.11E-04
KARSP1	-4.25	1.63E-04	4.12E-04
CTD-2371O3.2	-3.17	1.63E-04	4.13E-04
AC001226.7	-4.03	1.64E-04	4.13E-04
FARP1	1.00	1.64E-04	4.13E-04
ICAM5	2.17	1.64E-04	4.15E-04
RP1-80N2.2	-2.36	1.64E-04	4.15E-04
RNU6-817P	-3.11	1.65E-04	4.15E-04
RP11-68I3.11	-4.04	1.65E-04	4.16E-04
RP11-467L19.14	-4.57	1.65E-04	4.16E-04
TMEM99	-1.13	1.65E-04	4.17E-04
DCP1B	0.54	1.66E-04	4.18E-04
SCG3	-2.01	1.66E-04	4.18E-04
CDCA4P1	-3.08	1.66E-04	4.18E-04
2-Sep	0.56	1.66E-04	4.18E-04

RNU1-87P	-4.72	1.66E-04	4.18E-04
RN7SKP158	-4.66	1.66E-04	4.18E-04
RP11-299P2.2	-4.58	1.66E-04	4.19E-04
MINA	-0.41	1.66E-04	4.19E-04
TAS2R43	-6.03	1.66E-04	4.19E-04
RP11-401F2.4	-4.43	1.66E-04	4.19E-04
RP11-66H6.3	-4.31	1.66E-04	4.19E-04
XLOC_003804	3.28	1.67E-04	4.20E-04
AIG1P1	-4.56	1.67E-04	4.20E-04
MROH2A	-1.45	1.67E-04	4.21E-04
CTD-2049O4.1	-3.03	1.67E-04	4.21E-04
FDPSP7	-4.63	1.67E-04	4.21E-04
SCARNA16	-4.44	1.67E-04	4.21E-04
LATS2-AS1	-4.44	1.67E-04	4.21E-04
TRIM60P17	-4.64	1.67E-04	4.22E-04
MTCO3P11	-3.62	1.67E-04	4.22E-04
TNKS1BP1	0.50	1.68E-04	4.24E-04
RP1-228P16.1	-2.59	1.68E-04	4.24E-04
AC003090.1	-2.91	1.69E-04	4.25E-04
RHOBTB1	0.77	1.69E-04	4.25E-04
RCL1	-0.51	1.69E-04	4.25E-04
RP11-613M10.9	-2.78	1.69E-04	4.26E-04
RP11-430H12.2	-4.14	1.69E-04	4.26E-04
AFAP1-AS1	-2.52	1.69E-04	4.26E-04
DPH7	0.77	1.69E-04	4.26E-04
TACR2	-1.03	1.69E-04	4.27E-04
RP11-734K21.2	-3.26	1.70E-04	4.27E-04
RPL23AP35	-4.54	1.70E-04	4.27E-04
RAP1A	0.52	1.70E-04	4.27E-04
RP11-216L13.19	-1.84	1.70E-04	4.27E-04
ALOX15	-1.67	1.70E-04	4.27E-04
POMZP3	1.33	1.70E-04	4.28E-04
C19orf81	1.68	1.70E-04	4.28E-04
PJA1	0.55	1.70E-04	4.28E-04
SETP10	-4.62	1.70E-04	4.28E-04
RP11-881M11.8	-4.50	1.70E-04	4.28E-04
TMEM258	0.53	1.70E-04	4.28E-04
XLOC_003406	-1.64	1.71E-04	4.29E-04
SLC4A9	-3.47	1.71E-04	4.29E-04
G1561	-1.90	1.71E-04	4.29E-04
ZNF345	-0.46	1.71E-04	4.30E-04
RP11-177C12.1	-0.98	1.71E-04	4.30E-04
CH17-302M23.1	-2.45	1.71E-04	4.30E-04
RPL34-AS1	-1.48	1.71E-04	4.30E-04
G23007	-2.61	1.71E-04	4.30E-04

AC007285.7	-3.07	1.71E-04	4.31E-04
BBS4	0.52	1.71E-04	4.31E-04
RNY4P8	-4.43	1.72E-04	4.31E-04
HCP5	-0.74	1.72E-04	4.31E-04
RGN	1.71	1.72E-04	4.33E-04
NDUFA6	0.69	1.72E-04	4.33E-04
COQ6	-0.98	1.72E-04	4.33E-04
LELP1	-4.44	1.72E-04	4.33E-04
SNX18P9	-4.63	1.73E-04	4.34E-04
NAALAD2	-1.42	1.73E-04	4.34E-04
RP11-20I20.2	-4.30	1.73E-04	4.34E-04
SLURP1	1.26	1.73E-04	4.35E-04
RP4-535B20.4	-4.54	1.73E-04	4.35E-04
AL353698.1	-4.58	1.73E-04	4.35E-04
G1920	-4.58	1.73E-04	4.35E-04
RP11-28G8.1	-2.10	1.73E-04	4.35E-04
RP11-50D9.4	-1.94	1.74E-04	4.36E-04
RP11-31F19.1	-4.78	1.74E-04	4.36E-04
FDPSP3	-4.33	1.74E-04	4.37E-04
WNT8B	-4.11	1.74E-04	4.37E-04
KLRAP1	-1.11	1.74E-04	4.37E-04
RN7SL535P	-2.47	1.74E-04	4.38E-04
DDAH1	-1.02	1.75E-04	4.39E-04
RHOQ	0.49	1.75E-04	4.39E-04
TPRA1	0.38	1.75E-04	4.40E-04
RN7SKP97	-3.33	1.76E-04	4.41E-04
PCCA	-0.50	1.76E-04	4.41E-04
CTD-2201E9.3	-4.69	1.76E-04	4.41E-04
N6AMT1	-0.88	1.76E-04	4.42E-04
HMGN1P2	-4.43	1.77E-04	4.43E-04
NHS	-0.57	1.77E-04	4.43E-04
ZFYVE27	0.63	1.77E-04	4.43E-04
ATP1B1	1.09	1.77E-04	4.43E-04
LTBP1	1.45	1.77E-04	4.43E-04
VN1R81P	-1.83	1.77E-04	4.43E-04
PSPC1	0.37	1.77E-04	4.43E-04
GAS6-AS2	1.14	1.77E-04	4.44E-04
EBNA1BP2	0.58	1.77E-04	4.44E-04
PSMA6	-0.65	1.77E-04	4.44E-04
RP11-500G10.5	-4.22	1.78E-04	4.45E-04
CDK15	-1.22	1.78E-04	4.45E-04
UPF3AP3	1.70	1.78E-04	4.46E-04
TMED5	-0.66	1.78E-04	4.47E-04
PLEKHA8P1	1.09	1.79E-04	4.48E-04
RP11-298D21.1	-3.15	1.79E-04	4.48E-04

RP11-930O11.3	-3.52	1.79E-04	4.49E-04
RNU6-853P	-4.83	1.80E-04	4.50E-04
MSRB3	1.03	1.80E-04	4.50E-04
TOMM70A	-0.48	1.80E-04	4.50E-04
D2HGDH	1.07	1.80E-04	4.50E-04
RP11-34A14.3	-4.19	1.80E-04	4.50E-04
RP11-44D5.1	-4.18	1.80E-04	4.50E-04
RP11-429E11.3	-4.75	1.80E-04	4.51E-04
RP11-213G2.3	-0.79	1.80E-04	4.51E-04
CPNE9	-2.16	1.81E-04	4.52E-04
PPP1R8P1	-4.15	1.81E-04	4.53E-04
RPS18P9	0.62	1.82E-04	4.54E-04
RBMXL1	-0.50	1.82E-04	4.55E-04
SPOCK2	1.31	1.82E-04	4.55E-04
AC078852.2	-4.47	1.82E-04	4.55E-04
AC004067.5	-1.16	1.82E-04	4.55E-04
RP11-474G23.3	-3.19	1.82E-04	4.56E-04
RBBP4	-0.34	1.82E-04	4.56E-04
COL26A1	2.66	1.82E-04	4.56E-04
RP11-309L24.10	-2.13	1.82E-04	4.56E-04
CHCHD4	0.54	1.83E-04	4.57E-04
CDKL5	-0.45	1.83E-04	4.57E-04
RP11-231I16.1	-1.66	1.83E-04	4.57E-04
C2orf69	-0.61	1.83E-04	4.57E-04
AC007308.6	-2.50	1.83E-04	4.58E-04
CAMK2N2	3.07	1.83E-04	4.59E-04
RP11-596D21.1	-1.86	1.84E-04	4.59E-04
MARCKSL1P1	-3.14	1.84E-04	4.59E-04
AADACP1	-2.50	1.84E-04	4.60E-04
GALNT8	-1.79	1.84E-04	4.60E-04
PARP1	0.44	1.85E-04	4.61E-04
MBLAC2	-0.68	1.85E-04	4.62E-04
AC131571.2	-2.62	1.85E-04	4.63E-04
STARD13	1.01	1.85E-04	4.63E-04
RP11-818O24.3	-1.99	1.86E-04	4.63E-04
ALG13	-0.67	1.86E-04	4.63E-04
RNA5S9	-4.85	1.86E-04	4.64E-04
ARID4B	0.44	1.86E-04	4.64E-04
RPS3AP35	-4.48	1.86E-04	4.64E-04
RP11-67L14.1	-4.68	1.86E-04	4.65E-04
AC004022.8	-3.67	1.86E-04	4.65E-04
ZNHIT6	-0.41	1.86E-04	4.65E-04
CTC-218B8.3	-4.48	1.86E-04	4.65E-04
RNU6-254P	-4.25	1.87E-04	4.66E-04
AIF1L	-0.82	1.87E-04	4.66E-04

HSPA8P3	-4.47	1.87E-04	4.67E-04
RP11-116K4.1	-3.23	1.87E-04	4.68E-04
RP11-165D6.1	-3.74	1.88E-04	4.68E-04
GCM2	-4.77	1.88E-04	4.68E-04
G41001	1.99	1.88E-04	4.68E-04
RN7SL146P	-4.52	1.88E-04	4.69E-04
FAM64A	0.82	1.88E-04	4.69E-04
RP4-539M6.20	-2.38	1.88E-04	4.69E-04
AC092798.2	-2.65	1.89E-04	4.70E-04
UPK3B	-1.88	1.89E-04	4.71E-04
SNRPGP14	-2.23	1.89E-04	4.71E-04
SRSF11	0.71	1.89E-04	4.71E-04
APOC1	-2.85	1.89E-04	4.72E-04
SLC25A15P5	-4.30	1.90E-04	4.74E-04
ACTL7A	-4.58	1.90E-04	4.74E-04
HLA-B	0.84	1.90E-04	4.74E-04
ELOVL7	-0.98	1.90E-04	4.74E-04
RP11-1379J22.2	-1.54	1.90E-04	4.74E-04
IQCJ-SCHIP1-AS1	-4.61	1.90E-04	4.75E-04
ZNF649-AS1	-4.33	1.90E-04	4.75E-04
GUCY1B2	-5.77	1.91E-04	4.75E-04
RP11-440D17.4	-1.54	1.91E-04	4.75E-04
POP1	-0.65	1.91E-04	4.76E-04
RP11-216N14.5	-2.45	1.91E-04	4.76E-04
MCTS2P	-1.11	1.91E-04	4.77E-04
RP11-347C18.5	-1.56	1.91E-04	4.77E-04
RP11-1396O13.1	-4.52	1.91E-04	4.77E-04
SRPX	1.25	1.92E-04	4.77E-04
TMEM181	-0.39	1.92E-04	4.77E-04
HMGN2P30	-4.51	1.92E-04	4.78E-04
MARK3P1	-4.53	1.92E-04	4.79E-04
RP11-839G9.1	-2.44	1.93E-04	4.81E-04
G15649	-2.51	1.93E-04	4.81E-04
BX649597.1	-3.28	1.93E-04	4.81E-04
RP11-274J7.2	-4.70	1.93E-04	4.81E-04
LAMA3	-0.48	1.93E-04	4.81E-04
RP11-159H22.2	-2.03	1.93E-04	4.82E-04
TBP	0.50	1.94E-04	4.83E-04
PTPRU	0.78	1.94E-04	4.84E-04
CPB2-AS1	-2.22	1.94E-04	4.84E-04
BNIP3P24	-3.34	1.95E-04	4.84E-04
NDUFAF3	0.52	1.95E-04	4.86E-04
AC016745.3	-3.26	1.95E-04	4.86E-04
VPS51	0.50	1.95E-04	4.86E-04
RP11-394O2.3	-2.80	1.96E-04	4.88E-04

MAP4K2	0.51	1.96E-04	4.88E-04
RP11-255C15.3	-2.16	1.96E-04	4.88E-04
AP4B1	0.64	1.96E-04	4.88E-04
INO80B	-1.84	1.97E-04	4.89E-04
RP11-687F6.5	-2.87	1.97E-04	4.90E-04
UBE2Q1-AS1	-3.20	1.97E-04	4.90E-04
NEK4	-0.43	1.97E-04	4.90E-04
RP11-379J5.5	-2.59	1.97E-04	4.91E-04
LIX1L	0.93	1.98E-04	4.91E-04
RP11-299P2.1	-4.33	1.98E-04	4.91E-04
RP11-15F12.3	-4.66	1.98E-04	4.91E-04
RP11-33E12.2	-1.32	1.98E-04	4.91E-04
CTD-2027I19.3	-2.10	1.98E-04	4.93E-04
ZNF736P6Y	-5.62	1.98E-04	4.93E-04
OR5P4P	-4.63	1.98E-04	4.93E-04
MIR101-1	-4.30	1.98E-04	4.93E-04
RP11-382A20.1	-4.35	1.98E-04	4.93E-04
GSPT1	-0.41	1.98E-04	4.93E-04
C17orf50	-2.33	1.99E-04	4.93E-04
G40352	-3.27	1.99E-04	4.94E-04
NOP9	-0.33	1.99E-04	4.94E-04
AL160291.1	-4.44	1.99E-04	4.95E-04
G29948	1.79	1.99E-04	4.95E-04
G34276	-1.34	1.99E-04	4.95E-04
RP11-367J11.3	-1.38	1.99E-04	4.95E-04
RNU2-46P	-4.48	2.00E-04	4.95E-04
LINC00678	-4.34	2.00E-04	4.95E-04
MSRB1	0.95	2.00E-04	4.95E-04
XLOC_001134	-4.27	2.00E-04	4.96E-04
RP11-421E14.2	-1.45	2.00E-04	4.96E-04
RP11-278C7.2	-4.17	2.00E-04	4.97E-04
CDC7	-0.92	2.00E-04	4.97E-04
RP11-397E7.1	-4.30	2.00E-04	4.97E-04
RAP1GDS1	-0.45	2.00E-04	4.97E-04
SCML2P2	-1.83	2.01E-04	4.99E-04
RP11-296A18.5	-2.58	2.01E-04	4.99E-04
RP11-115D19.3	-4.26	2.01E-04	4.99E-04
PABPN1L	-4.26	2.02E-04	5.01E-04
NINL	0.94	2.02E-04	5.01E-04
NOSTRIN	1.30	2.02E-04	5.01E-04
RP11-184I16.4	-3.09	2.02E-04	5.01E-04
GIT2	-0.51	2.02E-04	5.01E-04
HSPA2	0.87	2.03E-04	5.02E-04
KLF3P1	-4.26	2.03E-04	5.03E-04
RP11-305E6.4	-1.23	2.03E-04	5.03E-04

PSMD10	0.62	2.03E-04	5.04E-04
FAM46B	1.00	2.04E-04	5.05E-04
AC009506.1	1.17	2.04E-04	5.05E-04
TSSC1	0.49	2.04E-04	5.06E-04
RP11-20O24.1	-4.42	2.04E-04	5.06E-04
AL590762.11	-3.22	2.04E-04	5.06E-04
STON1	1.05	2.04E-04	5.06E-04
RP5-1100E15.4	-4.31	2.05E-04	5.07E-04
RPL9P9	3.46	2.05E-04	5.07E-04
RP11-305L7.6	2.55	2.05E-04	5.08E-04
XLOC_008000	-4.38	2.06E-04	5.09E-04
RP11-480D4.7	-3.47	2.06E-04	5.11E-04
NHEJ1	-3.25	2.07E-04	5.13E-04
AC023137.2	-2.94	2.07E-04	5.13E-04
RP4-733B9.1	-4.65	2.07E-04	5.13E-04
RP11-139H15.7	-3.05	2.07E-04	5.13E-04
DRC3	-0.97	2.07E-04	5.13E-04
STX2	1.08	2.08E-04	5.14E-04
RP11-14I17.1	-2.76	2.08E-04	5.14E-04
RNU6-495P	-3.95	2.08E-04	5.14E-04
RN7SL67P	-4.49	2.08E-04	5.14E-04
ZNF480	-0.53	2.08E-04	5.14E-04
RP4-537K23.4	-4.23	2.08E-04	5.15E-04
TAF11	0.37	2.08E-04	5.15E-04
ALMS1-IT1	-1.21	2.08E-04	5.15E-04
RP11-266L9.5	-1.52	2.08E-04	5.15E-04
C1orf50	0.41	2.08E-04	5.15E-04
RP11-138I1.3	-1.37	2.09E-04	5.17E-04
ACTR1B	0.45	2.09E-04	5.17E-04
LRRC27	0.75	2.09E-04	5.17E-04
SPDYE5	-1.48	2.09E-04	5.17E-04
AC140076.1	-4.12	2.09E-04	5.17E-04
RP4-697P8.3	-4.55	2.09E-04	5.17E-04
AC024568.1	-4.48	2.10E-04	5.18E-04
MIR491	-4.34	2.10E-04	5.18E-04
RP11-968O1.5	-1.58	2.10E-04	5.18E-04
UPK3BP1	-4.20	2.10E-04	5.20E-04
MANEAL	1.05	2.11E-04	5.21E-04
SPATA9	-1.45	2.11E-04	5.21E-04
ACAD11	-3.90	2.11E-04	5.21E-04
PCDHGA6	-0.70	2.11E-04	5.21E-04
AC004987.9	1.51	2.12E-04	5.23E-04
CNTN6	3.37	2.12E-04	5.24E-04
MYO1G	1.25	2.12E-04	5.24E-04
RP5-1021I20.4	-4.25	2.12E-04	5.24E-04

ALOX12P1	-4.44	2.12E-04	5.24E-04
BMS1P20	-2.30	2.12E-04	5.24E-04
RP1-59D14.8	-4.51	2.13E-04	5.25E-04
TGFB2	-0.99	2.13E-04	5.26E-04
RP11-178L8.5	-4.92	2.13E-04	5.26E-04
VWA9	0.37	2.13E-04	5.27E-04
RN7SL153P	-4.42	2.13E-04	5.27E-04
AKAP8L	0.62	2.14E-04	5.29E-04
TTC1	0.54	2.15E-04	5.31E-04
PCDH1	0.50	2.15E-04	5.31E-04
RP11-184J23.2	-4.83	2.16E-04	5.32E-04
RP11-270M14.4	-3.58	2.16E-04	5.33E-04
RP11-386I14.2	-2.09	2.17E-04	5.35E-04
MCEE	0.56	2.17E-04	5.35E-04
RNU7-70P	-4.19	2.17E-04	5.35E-04
RNU7-16P	-4.48	2.17E-04	5.36E-04
RP11-73G16.1	-4.31	2.17E-04	5.36E-04
CCT5P1	-4.33	2.18E-04	5.36E-04
RP4-603I14.3	-4.39	2.18E-04	5.37E-04
RP11-191L9.5	-3.47	2.18E-04	5.37E-04
ZBTB5	-0.38	2.18E-04	5.37E-04
RP5-1065J22.2	-4.07	2.18E-04	5.37E-04
TMEM201	0.71	2.18E-04	5.38E-04
RP11-724M22.1	-3.24	2.18E-04	5.38E-04
ACSL1	-1.26	2.18E-04	5.38E-04
AC019117.1	-3.27	2.19E-04	5.39E-04
RP11-512M8.11	-3.43	2.19E-04	5.39E-04
RP11-154F14.3	-4.58	2.19E-04	5.40E-04
SNORD78	-1.72	2.19E-04	5.40E-04
NCF1C	2.29	2.19E-04	5.40E-04
CTC-250P20.2	-3.53	2.19E-04	5.40E-04
RP5-1023B21.1	-4.39	2.19E-04	5.40E-04
KIF22	0.44	2.20E-04	5.41E-04
CTD-2566J3.1	-3.80	2.20E-04	5.41E-04
PICALM	-0.34	2.20E-04	5.43E-04
HNRNPA1P50	-2.33	2.20E-04	5.43E-04
RAD50	-0.37	2.21E-04	5.43E-04
MIR4762	-4.57	2.21E-04	5.44E-04
CABLES2	0.66	2.21E-04	5.44E-04
IGF2BP3	-1.39	2.21E-04	5.45E-04
RNU1-109P	-4.43	2.22E-04	5.46E-04
PDXDC2P	-1.15	2.22E-04	5.47E-04
CHMP4BP1	-2.47	2.22E-04	5.47E-04
RN7SKP292	-2.92	2.22E-04	5.47E-04
SGF29	0.50	2.23E-04	5.48E-04

G32334	-3.01	2.24E-04	5.50E-04
TMEM107	0.70	2.24E-04	5.50E-04
RP11-403E24.1	-4.21	2.24E-04	5.51E-04
PGAM1P11	-4.13	2.24E-04	5.51E-04
LRFN5	-1.51	2.24E-04	5.51E-04
RPL31P58	-4.19	2.25E-04	5.52E-04
NEDD4	-0.57	2.25E-04	5.53E-04
RP3-507I15.2	-4.45	2.25E-04	5.53E-04
PSMB6	0.66	2.25E-04	5.54E-04
RP11-1006G14.1	-4.42	2.25E-04	5.54E-04
RP11-674I16.2	-4.55	2.25E-04	5.54E-04
RP11-505C13.1	-4.54	2.26E-04	5.55E-04
LINC00852	-1.12	2.26E-04	5.55E-04
G35150	-4.04	2.26E-04	5.55E-04
XLOC_007830	-4.17	2.26E-04	5.56E-04
AP1G2	0.78	2.26E-04	5.57E-04
AC015726.1	-4.46	2.27E-04	5.57E-04
MFI2	2.65	2.27E-04	5.57E-04
FOXN4	-4.73	2.27E-04	5.57E-04
PSMB1	0.55	2.27E-04	5.57E-04
FAM46A	-0.62	2.27E-04	5.59E-04
ZNF146	-0.46	2.28E-04	5.59E-04
GOLGA6L3	4.31	2.28E-04	5.59E-04
MRPL23-AS1	-2.30	2.28E-04	5.60E-04
RP11-818O24.2	-2.96	2.29E-04	5.62E-04
NTRK1	3.88	2.29E-04	5.62E-04
SPOCK1	2.01	2.29E-04	5.63E-04
SNORA1	-4.49	2.29E-04	5.63E-04
FIP1L1	-0.48	2.29E-04	5.63E-04
INVS	-0.46	2.30E-04	5.64E-04
RP11-118E18.4	-3.96	2.30E-04	5.65E-04
GNE	0.68	2.31E-04	5.68E-04
PARP9	0.83	2.32E-04	5.69E-04
LRP2	-3.36	2.32E-04	5.69E-04
FAM35A	-0.47	2.32E-04	5.70E-04
GGNBP2	0.35	2.32E-04	5.70E-04
HNRNPA3P5	3.11	2.32E-04	5.70E-04
RP11-761I4.4	-2.47	2.33E-04	5.72E-04
RP11-331F4.4	-2.91	2.33E-04	5.72E-04
RP3-510D11.2	1.26	2.33E-04	5.72E-04
FAM218A	-1.31	2.33E-04	5.72E-04
RP11-57H14.5	-3.17	2.33E-04	5.72E-04
MDC1	0.62	2.34E-04	5.73E-04
CYCSP24	-4.21	2.34E-04	5.73E-04
GZMM	2.11	2.34E-04	5.74E-04

G30853	-3.73	2.34E-04	5.75E-04
TYRP1	-1.63	2.35E-04	5.75E-04
VWC2L	-4.80	2.35E-04	5.75E-04
AC007679.4	-4.54	2.35E-04	5.76E-04
RP11-111H13.1	-2.81	2.35E-04	5.76E-04
YOD1	-1.26	2.35E-04	5.76E-04
CDC14A	-0.62	2.36E-04	5.78E-04
KBTBD6	-0.54	2.36E-04	5.79E-04
MIR4774	-4.15	2.36E-04	5.79E-04
ACBD4	0.69	2.36E-04	5.79E-04
RP11-378G13.2	-4.21	2.36E-04	5.79E-04
TMEM191C	1.84	2.36E-04	5.79E-04
ADCK3	0.58	2.36E-04	5.79E-04
CTD-2116N17.1	-4.34	2.37E-04	5.80E-04
BNIP3P25	-3.60	2.37E-04	5.80E-04
BRD9P2	-3.20	2.37E-04	5.80E-04
ZNF552	-0.46	2.37E-04	5.80E-04
RBM28	-0.57	2.37E-04	5.80E-04
SPG20	-0.52	2.37E-04	5.81E-04
TMEM254	-0.70	2.38E-04	5.82E-04
VLDLR-AS1	1.86	2.38E-04	5.82E-04
PDXK	0.61	2.38E-04	5.82E-04
RP11-9H20.2	-3.37	2.38E-04	5.82E-04
C1QBPP2	-2.05	2.38E-04	5.83E-04
RP11-271C24.2	-3.90	2.38E-04	5.83E-04
RN7SL30P	-4.49	2.38E-04	5.83E-04
ZMAT2	0.61	2.38E-04	5.83E-04
HSD3BP2	-6.46	2.38E-04	5.84E-04
RP11-104N10.2	-1.19	2.39E-04	5.84E-04
RP11-426J5.3	-1.81	2.39E-04	5.84E-04
RP11-417F21.1	-2.53	2.39E-04	5.85E-04
PHF20L1	-0.48	2.39E-04	5.86E-04
RP1-63M2.5	-4.39	2.40E-04	5.87E-04
ABCA13	-1.98	2.40E-04	5.88E-04
AGRP	-2.41	2.40E-04	5.88E-04
G10846	-1.46	2.40E-04	5.88E-04
DDIAS	-0.76	2.41E-04	5.88E-04
PCNXL2	-0.70	2.41E-04	5.89E-04
TLN2	-0.86	2.41E-04	5.89E-04
PDCL3	0.65	2.42E-04	5.91E-04
AC008671.1	-4.10	2.42E-04	5.91E-04
KRT16P6	3.25	2.42E-04	5.91E-04
RP1-140J1.4	-4.69	2.42E-04	5.91E-04
DISP1	-0.61	2.42E-04	5.91E-04
EHD1	0.43	2.42E-04	5.91E-04

RCAN2	1.11	2.42E-04	5.91E-04
METTL2B	-0.46	2.42E-04	5.91E-04
RP11-458I7.1	-4.44	2.42E-04	5.92E-04
DUSP14	0.93	2.42E-04	5.92E-04
TCEB3B	-4.23	2.43E-04	5.93E-04
MIR548V	-3.92	2.43E-04	5.94E-04
RP5-1147A1.2	-4.42	2.43E-04	5.94E-04
RP11-166B2.3	-1.74	2.43E-04	5.94E-04
RP5-1077I2.3	-2.58	2.44E-04	5.95E-04
AC092755.4	-4.22	2.44E-04	5.95E-04
BCDIN3D-AS1	-1.78	2.44E-04	5.96E-04
CTC-325H20.7	-3.94	2.44E-04	5.96E-04
RP11-711G10.1	-4.46	2.45E-04	5.98E-04
C6orf120	-0.50	2.45E-04	5.99E-04
FTH1P25	-4.70	2.45E-04	5.99E-04
ZSCAN32	-1.49	2.46E-04	6.00E-04
LINC00467	0.73	2.46E-04	6.01E-04
MTM1	-0.46	2.46E-04	6.01E-04
ZNF324B	-0.51	2.46E-04	6.01E-04
RP11-115D19.2	-3.34	2.46E-04	6.01E-04
SOX2	1.48	2.46E-04	6.01E-04
SLC8A1-AS1	-2.21	2.47E-04	6.02E-04
MCM10	-0.72	2.47E-04	6.02E-04
RP4-541C22.5	-1.70	2.47E-04	6.03E-04
TIMM9P2	-1.88	2.47E-04	6.04E-04
MIR9-3HG	1.74	2.48E-04	6.04E-04
RN7SKP50	-4.42	2.48E-04	6.04E-04
RP11-108P20.2	-4.26	2.48E-04	6.05E-04
RP11-1000B6.8	-2.10	2.49E-04	6.06E-04
RP11-110H1.9	-4.30	2.49E-04	6.06E-04
PTPRE	0.71	2.49E-04	6.08E-04
TRIM16L	0.76	2.50E-04	6.10E-04
ADGRG1	0.62	2.51E-04	6.11E-04
CTB-179K24.3	-2.15	2.51E-04	6.11E-04
MTND5P32	-4.49	2.51E-04	6.11E-04
BTG3	0.53	2.51E-04	6.12E-04
CBWD3	-0.97	2.51E-04	6.12E-04
THEMIS3P	-4.10	2.51E-04	6.13E-04
XLOC_009920	3.47	2.51E-04	6.13E-04
CXCL11	3.09	2.52E-04	6.14E-04
KDM1B	-0.45	2.52E-04	6.15E-04
RP5-1107A17.2	-4.34	2.52E-04	6.15E-04
INSM2	-3.14	2.53E-04	6.17E-04
OAS1	1.00	2.53E-04	6.17E-04
B4GALNT1	1.91	2.54E-04	6.18E-04

CNDP1	-3.24	2.54E-04	6.18E-04
OXCT1	-0.62	2.54E-04	6.18E-04
CHRNB1	0.52	2.54E-04	6.18E-04
RNU6-307P	-4.32	2.54E-04	6.20E-04
TRIM71	-4.93	2.55E-04	6.21E-04
RP4-705D16.3	-2.73	2.55E-04	6.21E-04
AC068587.2	-4.11	2.55E-04	6.22E-04
CAB39	-0.47	2.55E-04	6.22E-04
RP11-93I21.3	-2.33	2.56E-04	6.22E-04
PRDX3	0.57	2.56E-04	6.22E-04
IFT46	0.45	2.56E-04	6.23E-04
PPFIA1	-0.27	2.56E-04	6.24E-04
LINC00305	-4.36	2.56E-04	6.24E-04
XLOC_000647	0.90	2.57E-04	6.25E-04
PIK3CG	-1.05	2.57E-04	6.25E-04
RPS14P8	-3.37	2.57E-04	6.25E-04
RP11-184A2.2	-2.04	2.57E-04	6.26E-04
TSPYL6	-3.66	2.58E-04	6.26E-04
RP11-429G19.3	-0.90	2.58E-04	6.27E-04
RP11-144I2.1	-1.96	2.58E-04	6.27E-04
HOXD13	3.22	2.58E-04	6.27E-04
AP000936.1	-2.16	2.58E-04	6.28E-04
COMMD10	-0.42	2.59E-04	6.29E-04
RPL6P12	-4.51	2.59E-04	6.29E-04
RP11-132G19.3	-4.31	2.59E-04	6.29E-04
RP11-269G24.2	-4.35	2.59E-04	6.29E-04
XLOC_009603	-4.01	2.59E-04	6.29E-04
FUK	0.61	2.59E-04	6.29E-04
AC007557.2	-4.32	2.60E-04	6.31E-04
RNA5SP33	-4.55	2.60E-04	6.31E-04
APELA	1.96	2.60E-04	6.31E-04
RP11-592N21.2	-4.21	2.60E-04	6.31E-04
RP11-43D2.2	-4.53	2.60E-04	6.31E-04
TLR10	-1.49	2.60E-04	6.32E-04
RAB27A	0.55	2.60E-04	6.32E-04
CTC-327F10.5	-1.44	2.60E-04	6.32E-04
ANO3	-1.30	2.61E-04	6.33E-04
CTC-487M23.8	-4.16	2.61E-04	6.33E-04
PLCG1-AS1	-1.47	2.61E-04	6.33E-04
HOXC-AS3	1.79	2.61E-04	6.34E-04
RPL23AP52	-4.31	2.61E-04	6.34E-04
SFTPD-AS1	-4.10	2.61E-04	6.34E-04
GLRB	-1.63	2.61E-04	6.34E-04
RP11-584P21.2	-2.14	2.61E-04	6.35E-04
DCAKD	0.60	2.62E-04	6.35E-04

WFS1	0.61	2.62E-04	6.36E-04
CTD-2301A4.1	-4.33	2.62E-04	6.36E-04
TRAM2	0.82	2.62E-04	6.36E-04
GNL2P1	-4.46	2.62E-04	6.36E-04
HNRNPH1P1	-2.43	2.62E-04	6.37E-04
RP11-589F5.3	-4.73	2.63E-04	6.37E-04
ZC3H12D	-1.17	2.63E-04	6.38E-04
RN7SL258P	-4.21	2.63E-04	6.38E-04
CD46	-0.36	2.63E-04	6.38E-04
AC109642.1	2.58	2.63E-04	6.39E-04
G24512	-4.34	2.64E-04	6.40E-04
CTC-425O23.2	-2.10	2.64E-04	6.40E-04
G25498	-2.13	2.65E-04	6.41E-04
CCDC68	-1.17	2.65E-04	6.41E-04
G43485	-4.92	2.65E-04	6.42E-04
ZMYM4-AS1	-3.21	2.65E-04	6.42E-04
SNX25	-0.42	2.65E-04	6.42E-04
LTBP4	1.05	2.65E-04	6.42E-04
AC144525.1	-4.31	2.65E-04	6.42E-04
PFAS	0.59	2.66E-04	6.44E-04
AC108463.2	4.48	2.66E-04	6.44E-04
RP11-799B12.1	-1.29	2.66E-04	6.45E-04
XLOC_012841	1.82	2.66E-04	6.45E-04
PGRMC2	-0.59	2.66E-04	6.45E-04
RP1-168L15.5	-2.88	2.66E-04	6.45E-04
RP11-394I13.2	-2.50	2.66E-04	6.45E-04
AC026740.1	-1.37	2.66E-04	6.46E-04
SPATA2	0.54	2.67E-04	6.46E-04
RP11-166B2.8	-2.07	2.68E-04	6.48E-04
UBE2B	0.55	2.68E-04	6.50E-04
NEK3	0.63	2.68E-04	6.50E-04
RP11-327F22.6	-1.68	2.69E-04	6.50E-04
RP13-216E22.5	-4.11	2.69E-04	6.51E-04
CTD-2373H9.5	-4.14	2.69E-04	6.52E-04
PPARGC1B	-0.95	2.70E-04	6.53E-04
OLFML3	1.72	2.70E-04	6.53E-04
RP11-363J20.1	-3.59	2.70E-04	6.54E-04
UBE2FP2	-4.38	2.70E-04	6.54E-04
CBR3-AS1	-1.00	2.71E-04	6.55E-04
RP11-151A6.6	-3.46	2.71E-04	6.56E-04
RPL7P49	-3.22	2.72E-04	6.58E-04
CTC-429L19.3	-2.41	2.72E-04	6.59E-04
CTD-2024F21.1	-4.08	2.73E-04	6.60E-04
CTD-2587H19.2	-4.27	2.73E-04	6.60E-04
AC087239.1	-3.45	2.73E-04	6.60E-04

HIST2H4A	-1.88	2.73E-04	6.61E-04
SHISA9	3.04	2.73E-04	6.61E-04
TFAM	-0.51	2.73E-04	6.61E-04
SERPINB4	3.71	2.74E-04	6.62E-04
ITCH-IT1	-2.88	2.74E-04	6.63E-04
RMI1	-0.58	2.74E-04	6.63E-04
PISD	0.39	2.74E-04	6.63E-04
RP5-862P8.2	-0.94	2.75E-04	6.64E-04
AC012485.1	-4.14	2.75E-04	6.65E-04
CTD-2542C24.9	-4.20	2.76E-04	6.67E-04
ARFGAP2	0.37	2.76E-04	6.67E-04
PKIA	-0.84	2.76E-04	6.68E-04
RIOK1	0.50	2.76E-04	6.68E-04
ACMSD	-3.02	2.76E-04	6.68E-04
RP11-385F5.4	-4.03	2.77E-04	6.68E-04
MIR23B	-1.72	2.77E-04	6.68E-04
RNU6-282P	-4.06	2.77E-04	6.68E-04
G36324	-2.76	2.77E-04	6.70E-04
TGDS	-0.34	2.77E-04	6.70E-04
RNU6-1142P	-4.41	2.77E-04	6.70E-04
G25511	-2.14	2.78E-04	6.72E-04
ZNF157	-1.92	2.79E-04	6.73E-04
AC011290.5	-1.88	2.79E-04	6.73E-04
PRDX2P1	-4.31	2.79E-04	6.74E-04
UBOX5-AS1	-1.83	2.79E-04	6.74E-04
CTD-3113P16.11	-1.51	2.79E-04	6.74E-04
KLHDC8A	3.30	2.80E-04	6.75E-04
CASC1	-1.03	2.80E-04	6.76E-04
KCNJ10	-2.80	2.80E-04	6.76E-04
RP4-654C18.1	-3.52	2.81E-04	6.77E-04
PMCHL1	-5.49	2.81E-04	6.77E-04
RNF139	-0.50	2.81E-04	6.78E-04
RNA5SP44	-4.17	2.81E-04	6.78E-04
RP11-99A14.1	-4.42	2.81E-04	6.78E-04
NUP35	-0.54	2.81E-04	6.79E-04
G41064	-4.17	2.81E-04	6.79E-04
CAPZA3	-2.14	2.81E-04	6.79E-04
RAB5CP1	-2.03	2.81E-04	6.79E-04
AC097662.2	-1.24	2.82E-04	6.79E-04
AL050321.1	-4.26	2.82E-04	6.79E-04
UGT3A1	-4.22	2.82E-04	6.79E-04
AC079354.6	-4.45	2.82E-04	6.79E-04
CSRP3	-4.69	2.82E-04	6.79E-04
AC012531.25	-1.62	2.82E-04	6.79E-04
XXbac-B444P24.10	-1.65	2.82E-04	6.80E-04

ZBTB20-AS3	-3.08	2.82E-04	6.80E-04
TXNL4A	0.43	2.83E-04	6.82E-04
AC012358.7	-3.20	2.83E-04	6.82E-04
ENPP7P5	-4.44	2.83E-04	6.83E-04
XLOC_001124	-4.44	2.84E-04	6.84E-04
NR3C1	-0.51	2.84E-04	6.84E-04
AC073215.1	-4.22	2.85E-04	6.86E-04
USP43	0.87	2.85E-04	6.87E-04
RP5-974N19.1	-4.48	2.85E-04	6.87E-04
CTD-2555A7.2	3.37	2.85E-04	6.87E-04
GLT8D1	0.51	2.85E-04	6.87E-04
C1orf109	0.40	2.85E-04	6.87E-04
RNU6-856P	-4.50	2.86E-04	6.89E-04
PRIM2	-0.49	2.86E-04	6.89E-04
MIR548O2	-4.45	2.86E-04	6.89E-04
RNU7-48P	-4.40	2.86E-04	6.90E-04
LNX2	-0.54	2.86E-04	6.90E-04
OSM	3.18	2.87E-04	6.92E-04
AC092535.3	-2.40	2.88E-04	6.94E-04
RNU4-42P	-4.02	2.89E-04	6.95E-04
CXCL1	3.13	2.89E-04	6.95E-04
NAB2	0.46	2.89E-04	6.96E-04
AP000525.9	4.49	2.89E-04	6.96E-04
ANKS3	0.93	2.90E-04	6.97E-04
AC006539.1	-4.20	2.90E-04	6.98E-04
XIAP	-0.42	2.91E-04	7.00E-04
CTD-2145A24.3	-2.01	2.91E-04	7.00E-04
RPL17P25	-4.52	2.91E-04	7.00E-04
RP11-255E6.5	-4.42	2.91E-04	7.00E-04
SNORA16B	-3.46	2.91E-04	7.00E-04
RNU6-577P	-4.40	2.91E-04	7.00E-04
SAMD11	1.85	2.92E-04	7.01E-04
RPS4XP14	-3.08	2.92E-04	7.01E-04
RPL5P14	-4.54	2.92E-04	7.01E-04
RPL37A	0.60	2.92E-04	7.02E-04
RP1-134O19.3	-4.41	2.92E-04	7.03E-04
RP11-119F19.5	-0.90	2.93E-04	7.03E-04
PLEK	1.43	2.93E-04	7.04E-04
C6orf132	0.74	2.94E-04	7.05E-04
RP11-266L9.8	1.14	2.94E-04	7.06E-04
RFX5	0.59	2.94E-04	7.06E-04
AC024475.1	-4.42	2.94E-04	7.07E-04
MIR627	-4.27	2.94E-04	7.07E-04
RP11-88I18.2	-2.12	2.95E-04	7.08E-04
NANOGP11	-4.42	2.95E-04	7.08E-04

ADIPOR1	0.49	2.95E-04	7.09E-04
PLLP	-1.05	2.95E-04	7.09E-04
PTTG1	0.74	2.96E-04	7.10E-04
HMGB3P21	-4.34	2.96E-04	7.10E-04
RP5-1099D15.1	-2.10	2.96E-04	7.10E-04
G25988	-1.80	2.96E-04	7.11E-04
RP11-361D15.2	-2.95	2.96E-04	7.11E-04
SLC2A10	1.63	2.96E-04	7.11E-04
TAS2R64P	-5.74	2.96E-04	7.11E-04
GTF2F2	-0.76	2.96E-04	7.11E-04
RP11-169K17.3	-2.58	2.96E-04	7.11E-04
LINC00271	-1.50	2.97E-04	7.12E-04
RNU6-701P	-3.26	2.97E-04	7.13E-04
AC016821.1	-4.08	2.97E-04	7.13E-04
SYCE1L	0.94	2.97E-04	7.13E-04
AKR1C2	0.82	2.97E-04	7.13E-04
GRK5-IT1	-4.26	2.97E-04	7.13E-04
TBX3	0.83	2.97E-04	7.13E-04
RP11-624D20.1	-4.49	2.98E-04	7.14E-04
ZNF93	-0.75	2.98E-04	7.15E-04
RNU6-548P	-4.40	2.98E-04	7.15E-04
RNU6-1005P	-4.16	2.99E-04	7.16E-04
PSG2	-4.04	2.99E-04	7.16E-04
MAPKBP1	-0.61	2.99E-04	7.16E-04
EPC2	-0.40	2.99E-04	7.17E-04
CTD-2358C21.5	-3.02	2.99E-04	7.18E-04
SUMO2P15	-4.59	3.00E-04	7.18E-04
RASA4	1.18	3.00E-04	7.19E-04
NR3C2	-0.82	3.00E-04	7.19E-04
NEK7	-0.60	3.00E-04	7.19E-04
AP003041.2	-3.98	3.00E-04	7.20E-04
C1orf216	0.69	3.00E-04	7.20E-04
RP11-333J10.3	-3.21	3.00E-04	7.20E-04
ZNF767P	-0.92	3.00E-04	7.20E-04
AP1B1	0.44	3.00E-04	7.20E-04
RN7SL733P	-4.31	3.00E-04	7.20E-04
SLC34A2	4.01	3.00E-04	7.20E-04
BMS1P5	1.14	3.01E-04	7.21E-04
RPL21P121	-4.17	3.01E-04	7.22E-04
PGLYRP2	1.99	3.01E-04	7.22E-04
RP11-322E11.5	2.90	3.02E-04	7.23E-04
MAGI1	-0.43	3.03E-04	7.24E-04
JTBP1	-4.59	3.03E-04	7.25E-04
FBXO8	-0.54	3.03E-04	7.25E-04
C20orf195	1.97	3.03E-04	7.25E-04

CTD-3239E11.2	-3.50	3.03E-04	7.26E-04
G28649	-1.45	3.03E-04	7.26E-04
XLOC_008100	2.10	3.04E-04	7.27E-04
CENPE	-0.77	3.04E-04	7.27E-04
RN7SKP124	-4.28	3.04E-04	7.27E-04
TMEM170B	-1.10	3.04E-04	7.27E-04
RP11-363H12.1	-4.41	3.05E-04	7.29E-04
KRT79	-3.59	3.05E-04	7.30E-04
TACC2	-0.69	3.05E-04	7.31E-04
RP1-265C24.5	-4.19	3.06E-04	7.32E-04
RNU5E-4P	-4.07	3.06E-04	7.32E-04
OVCH2	-1.69	3.06E-04	7.32E-04
RN7SKP287	-3.26	3.06E-04	7.33E-04
RP11-91P24.6	-2.28	3.07E-04	7.33E-04
WDR33	-0.36	3.07E-04	7.34E-04
SLC38A6	-0.73	3.07E-04	7.35E-04
RP11-291L19.1	-3.98	3.08E-04	7.35E-04
SCGB3A2	-1.64	3.08E-04	7.37E-04
DHX8	-0.38	3.08E-04	7.37E-04
FOXD2-AS1	2.07	3.08E-04	7.37E-04
TOMM22	0.46	3.09E-04	7.38E-04
C7orf60	-0.57	3.09E-04	7.38E-04
ZBTB11-AS1	-0.69	3.09E-04	7.39E-04
AMICA1	1.34	3.09E-04	7.40E-04
MRPL49	0.42	3.10E-04	7.40E-04
RP11-574O16.1	-4.47	3.10E-04	7.41E-04
DIP2C	0.56	3.10E-04	7.41E-04
G15375	-0.99	3.10E-04	7.41E-04
RP11-567F11.2	-4.42	3.11E-04	7.42E-04
RN7SL459P	-4.86	3.12E-04	7.45E-04
TMEM19	-0.72	3.12E-04	7.46E-04
ATG10-IT1	-4.56	3.12E-04	7.46E-04
GBE1	0.55	3.13E-04	7.48E-04
RP11-248E9.5	-4.72	3.13E-04	7.48E-04
ABLIM3	1.02	3.14E-04	7.49E-04
KRT18P15	-4.10	3.14E-04	7.49E-04
ZSCAN5D	-4.34	3.14E-04	7.49E-04
RP11-332H17.1	-4.48	3.14E-04	7.50E-04
RP11-313P13.5	-3.67	3.15E-04	7.51E-04
RP11-1124B17.1	-3.94	3.16E-04	7.53E-04
XLOC_010205	-4.02	3.16E-04	7.53E-04
CTC-529G1.1	-2.39	3.16E-04	7.53E-04
STAC2	3.30	3.16E-04	7.53E-04
RP11-65N13.6	-4.10	3.16E-04	7.55E-04
KRT41P	-4.40	3.17E-04	7.55E-04

SNORD74	-4.40	3.17E-04	7.56E-04
OR7E47P	-1.36	3.17E-04	7.57E-04
RP11-42I10.1	2.10	3.17E-04	7.57E-04
RP11-504P24.3	-1.02	3.18E-04	7.58E-04
ITFG1	-0.41	3.18E-04	7.58E-04
AL031594.1	-4.45	3.18E-04	7.58E-04
XLOC_013984	5.10	3.18E-04	7.58E-04
ATP6V1G1P6	-4.38	3.18E-04	7.58E-04
LMO4	0.48	3.18E-04	7.59E-04
ZNF616	-0.50	3.19E-04	7.60E-04
CCDC13	1.65	3.19E-04	7.60E-04
U51244.2	-3.74	3.19E-04	7.60E-04
RP11-707O23.1	-2.86	3.19E-04	7.60E-04
PLEKHG4B	1.70	3.19E-04	7.61E-04
SNORD70	-3.04	3.20E-04	7.62E-04
SNRPB2	0.65	3.20E-04	7.64E-04
BLZF1	-0.50	3.21E-04	7.64E-04
CHMP4A	1.43	3.21E-04	7.64E-04
RPS23P5	-4.16	3.21E-04	7.64E-04
PLA1A	2.54	3.21E-04	7.64E-04
AP000593.7	-4.07	3.21E-04	7.65E-04
TMEM131	-0.45	3.21E-04	7.65E-04
DNMT1	0.43	3.21E-04	7.66E-04
RP11-7M10.2	-4.18	3.22E-04	7.66E-04
EEF1A1	0.55	3.22E-04	7.67E-04
ADPGK-AS1	-1.79	3.22E-04	7.67E-04
RP11-386M24.6	-2.25	3.22E-04	7.67E-04
RP11-382D8.3	-3.38	3.22E-04	7.67E-04
AC067956.1	-4.48	3.23E-04	7.68E-04
RP11-84A12.1	-4.32	3.23E-04	7.68E-04
RP11-173P15.7	-4.30	3.23E-04	7.69E-04
PLBD1-AS1	1.36	3.23E-04	7.69E-04
ASH1L-IT1	-4.14	3.25E-04	7.73E-04
ATG2A	0.57	3.25E-04	7.73E-04
RP11-384M20.1	-3.47	3.25E-04	7.73E-04
CCDC18	-0.80	3.25E-04	7.74E-04
ERBB2	0.51	3.25E-04	7.74E-04
PCDHB19P	-1.79	3.26E-04	7.75E-04
RN7SL20P	-4.00	3.26E-04	7.75E-04
CCDC88B	1.08	3.26E-04	7.76E-04
RPARP-AS1	-0.92	3.26E-04	7.76E-04
PHLPP1	-0.46	3.26E-04	7.76E-04
FGD2	1.02	3.26E-04	7.76E-04
SUPT20H	-0.46	3.26E-04	7.76E-04
MYEF2	-0.78	3.27E-04	7.77E-04

AP001434.2	4.10	3.27E-04	7.77E-04
HMGXB4	0.33	3.27E-04	7.78E-04
ACHE	1.59	3.28E-04	7.79E-04
ANGPTL7	-3.07	3.28E-04	7.79E-04
SDHDP2	-4.53	3.29E-04	7.81E-04
RP11-177N22.3	-4.40	3.29E-04	7.81E-04
UNC79	1.60	3.29E-04	7.82E-04
MYLK-AS2	-4.31	3.29E-04	7.82E-04
SNHG24	-1.91	3.29E-04	7.82E-04
RFX2	-1.14	3.29E-04	7.83E-04
ZNF689	0.54	3.29E-04	7.83E-04
UTP11L	0.43	3.29E-04	7.83E-04
BDH1	0.55	3.30E-04	7.83E-04
GRIN1	1.89	3.30E-04	7.84E-04
LRRC37A7P	-1.60	3.30E-04	7.84E-04
IL22RA1	-0.57	3.30E-04	7.84E-04
HOTAIR	2.37	3.30E-04	7.84E-04
MCU	-0.67	3.30E-04	7.85E-04
AC006014.1	2.09	3.30E-04	7.85E-04
RP11-506H21.5	-1.89	3.30E-04	7.85E-04
RP11-708B6.2	-4.42	3.31E-04	7.86E-04
AP000695.4	3.80	3.31E-04	7.86E-04
RP11-109N23.5	-4.04	3.31E-04	7.86E-04
MIR1273C	-4.24	3.31E-04	7.87E-04
RP4-744I24.4	-3.43	3.31E-04	7.87E-04
XLOC_001066	-4.47	3.32E-04	7.87E-04
RP11-522L3.5	-4.50	3.32E-04	7.87E-04
RP11-861E21.2	-1.60	3.32E-04	7.88E-04
ZWILCH	-0.49	3.32E-04	7.88E-04
RP11-669C19.1	-4.74	3.32E-04	7.88E-04
TCF7L2	0.74	3.32E-04	7.89E-04
RP13-463N16.6	3.60	3.32E-04	7.89E-04
RAB3A	1.09	3.33E-04	7.89E-04
RP11-547D24.1	3.41	3.33E-04	7.90E-04
RP11-298I3.1	-1.92	3.33E-04	7.90E-04
HS3ST5	-3.26	3.33E-04	7.90E-04
RP11-196G11.4	-1.89	3.34E-04	7.91E-04
XLOC_002995	-2.83	3.34E-04	7.91E-04
RP11-797D24.3	-2.17	3.34E-04	7.91E-04
LINC00839	1.38	3.34E-04	7.91E-04
KATNB1	0.64	3.34E-04	7.92E-04
XLOC_014106	-4.04	3.34E-04	7.93E-04
CHST13	3.78	3.35E-04	7.93E-04
RP11-256K9.1	-4.73	3.35E-04	7.93E-04
NEDD8	-0.53	3.35E-04	7.94E-04

RP11-388P9.3	-4.36	3.36E-04	7.96E-04
AC007899.3	-4.46	3.36E-04	7.96E-04
CSRNP2	0.35	3.36E-04	7.97E-04
RNF175	1.44	3.37E-04	7.98E-04
TNFAIP6	1.88	3.37E-04	7.98E-04
RNU7-40P	3.48	3.37E-04	7.99E-04
RP11-40B20.1	-4.21	3.38E-04	8.00E-04
CTD-2659N19.9	-4.39	3.38E-04	8.00E-04
XLOC_013981	-1.87	3.39E-04	8.02E-04
CDH8	2.03	3.39E-04	8.02E-04
COL10A1	2.21	3.39E-04	8.03E-04
RP11-411A19.5	-4.28	3.39E-04	8.03E-04
GEMIN4	-0.49	3.40E-04	8.04E-04
TNNI3K	-4.16	3.40E-04	8.04E-04
NNT	-0.35	3.40E-04	8.05E-04
RNU6-606P	-4.14	3.40E-04	8.05E-04
RP11-642D21.1	-3.97	3.40E-04	8.05E-04
TRIM68	0.47	3.40E-04	8.06E-04
C6orf99	-1.92	3.41E-04	8.06E-04
HDDC2	0.44	3.41E-04	8.07E-04
GSG2	-0.98	3.41E-04	8.08E-04
DCLRE1B	0.54	3.41E-04	8.08E-04
ACTG1	0.67	3.42E-04	8.09E-04
RP5-916O11.2	-3.53	3.42E-04	8.09E-04
RNU7-3P	-4.19	3.42E-04	8.09E-04
THBS2	1.26	3.42E-04	8.09E-04
PRR3	0.62	3.42E-04	8.09E-04
POLE	-0.53	3.42E-04	8.10E-04
RP11-383D22.1	-4.52	3.43E-04	8.10E-04
PIPSL	-1.88	3.43E-04	8.11E-04
CTC-422A18.2	-4.21	3.44E-04	8.13E-04
AC083822.2	-4.27	3.44E-04	8.13E-04
G10021	-2.39	3.44E-04	8.13E-04
RPL17P19	-4.36	3.44E-04	8.14E-04
RP11-401N16.2	-4.13	3.45E-04	8.16E-04
KLLN	0.73	3.45E-04	8.16E-04
RAD17	-0.37	3.45E-04	8.16E-04
PDE8B	-0.88	3.46E-04	8.17E-04
RP11-91H12.4	-4.33	3.46E-04	8.17E-04
SUMO2P16	-4.44	3.46E-04	8.18E-04
RP11-179B2.2	-1.77	3.47E-04	8.19E-04
FBLL1	1.90	3.47E-04	8.19E-04
RP11-62C3.6	-4.60	3.47E-04	8.21E-04
G36939	-3.44	3.48E-04	8.21E-04
HSD17B1	-0.65	3.49E-04	8.24E-04

RPL7AP31	-2.67	3.49E-04	8.24E-04
MIR374A	-4.33	3.49E-04	8.24E-04
HRH3	3.86	3.49E-04	8.25E-04
AVIL	-0.84	3.49E-04	8.25E-04
RP3-405J10.5	-4.29	3.50E-04	8.26E-04
C6orf183	-1.76	3.50E-04	8.26E-04
KCTD9	-0.38	3.50E-04	8.27E-04
RP5-1107A17.3	-4.04	3.52E-04	8.30E-04
G16357	1.56	3.52E-04	8.31E-04
RP11-229P13.2	-2.63	3.52E-04	8.32E-04
TMC4	1.36	3.53E-04	8.33E-04
G34274	-2.10	3.53E-04	8.33E-04
COX7BP2	-4.43	3.53E-04	8.33E-04
MYO5A	-0.52	3.54E-04	8.34E-04
AC010329.1	-4.11	3.54E-04	8.35E-04
RP3-508I15.14	-4.05	3.54E-04	8.36E-04
XPA	-0.34	3.54E-04	8.36E-04
PPARA	-0.81	3.55E-04	8.37E-04
ZMPSTE24	-0.51	3.55E-04	8.38E-04
RP1-257I20.14	-1.64	3.55E-04	8.38E-04
ATPAF2	0.45	3.56E-04	8.39E-04
LRRC37A11P	-1.47	3.56E-04	8.40E-04
MIR222	-4.31	3.56E-04	8.40E-04
PLCG2	0.44	3.56E-04	8.40E-04
PRMT7	0.51	3.57E-04	8.41E-04
VN2R10P	-4.06	3.57E-04	8.42E-04
RNU1-73P	-4.01	3.57E-04	8.43E-04
RNU6-331P	-4.26	3.58E-04	8.43E-04
ASPG	0.96	3.58E-04	8.43E-04
RNU6-387P	-2.80	3.59E-04	8.45E-04
EMCN	1.26	3.59E-04	8.47E-04
RP5-1120P11.4	-4.33	3.60E-04	8.48E-04
RP11-678G15.1	-3.50	3.60E-04	8.48E-04
DDX31	-0.55	3.60E-04	8.48E-04
GTF2IP13	1.34	3.61E-04	8.50E-04
RP11-255G12.2	-1.28	3.62E-04	8.52E-04
RPL34P22	-3.04	3.62E-04	8.53E-04
KDM4B	0.41	3.62E-04	8.53E-04
AXIN2	-0.62	3.62E-04	8.53E-04
SFXN2	-0.87	3.62E-04	8.53E-04
MAGOH2P	-1.36	3.62E-04	8.54E-04
RP11-399C16.3	-3.00	3.64E-04	8.56E-04
RP11-167P22.3	-4.32	3.64E-04	8.56E-04
RP11-104O19.4	-2.51	3.64E-04	8.56E-04
HELZ2	0.80	3.64E-04	8.56E-04

PAK6	0.62	3.64E-04	8.57E-04
AC009487.6	-1.58	3.64E-04	8.57E-04
HOXD1	3.39	3.65E-04	8.59E-04
ENPP7P1	-4.17	3.65E-04	8.59E-04
RTL1	-4.40	3.65E-04	8.59E-04
RPL5P24	-4.62	3.65E-04	8.59E-04
OCLM	-1.77	3.65E-04	8.60E-04
GUSBP4	-1.15	3.66E-04	8.60E-04
FAXDC2	-0.98	3.66E-04	8.61E-04
RP11-74E22.6	-2.35	3.66E-04	8.61E-04
AC007377.1	-4.67	3.66E-04	8.62E-04
DNLZ	-2.01	3.66E-04	8.62E-04
TMEM2	0.88	3.67E-04	8.63E-04
KIAA1614	0.82	3.67E-04	8.64E-04
TNFAIP2	1.34	3.68E-04	8.64E-04
WBSCR17	2.08	3.68E-04	8.64E-04
POLI	-0.60	3.68E-04	8.66E-04
RP4-714D9.2	-4.18	3.68E-04	8.66E-04
KANK1	-0.52	3.68E-04	8.66E-04
RP11-109P14.8	-4.27	3.69E-04	8.67E-04
MOGAT2	-3.51	3.69E-04	8.67E-04
NRIP2	1.02	3.70E-04	8.69E-04
RP11-382A20.7	-1.81	3.70E-04	8.69E-04
OR7E11P	-4.49	3.70E-04	8.69E-04
RP11-383J24.2	-2.00	3.70E-04	8.69E-04
KRT8P3	-4.03	3.70E-04	8.69E-04
G42644	-2.31	3.70E-04	8.70E-04
RP11-5P18.1	-4.35	3.71E-04	8.71E-04
CUX1	0.50	3.71E-04	8.72E-04
NRF1	0.45	3.72E-04	8.74E-04
AC093375.1	-2.55	3.73E-04	8.76E-04
AL157392.1	-4.26	3.73E-04	8.76E-04
TCF7L1-IT1	-4.71	3.73E-04	8.77E-04
CSTA	0.88	3.73E-04	8.77E-04
METTL21B	0.49	3.73E-04	8.77E-04
RP5-1057J7.7	-1.42	3.73E-04	8.77E-04
RP11-664D1.1	-3.90	3.74E-04	8.77E-04
RNU6-122P	-4.11	3.75E-04	8.79E-04
ASAP1	0.44	3.75E-04	8.80E-04
RP11-329J18.4	-3.97	3.75E-04	8.80E-04
RP5-1099C19.2	-2.73	3.75E-04	8.81E-04
XLOC_005452	1.92	3.76E-04	8.81E-04
PARD6G-AS1	-1.17	3.76E-04	8.83E-04
XLOC_008043	-4.48	3.76E-04	8.83E-04
AKR1C1	0.80	3.76E-04	8.83E-04

MIR938	-4.22	3.76E-04	8.83E-04
PFKM	0.47	3.76E-04	8.83E-04
RP11-843P14.1	-2.00	3.77E-04	8.85E-04
AC027612.6	0.75	3.79E-04	8.89E-04
MTCO1P19	-4.40	3.79E-04	8.89E-04
RP11-29B2.6	-3.98	3.80E-04	8.90E-04
KRT40	-3.23	3.80E-04	8.90E-04
DDX60L	-0.81	3.80E-04	8.91E-04
HOXD10	1.33	3.80E-04	8.92E-04
SNORD114-21	-4.43	3.81E-04	8.94E-04
NOTUM	2.32	3.82E-04	8.95E-04
AL590762.10	-3.95	3.82E-04	8.95E-04
CKMT1B	0.62	3.82E-04	8.95E-04
PSRC1	1.04	3.82E-04	8.96E-04
RPN1	0.52	3.82E-04	8.96E-04
IL18BP	1.02	3.82E-04	8.96E-04
TMEM169	-1.08	3.83E-04	8.97E-04
XLOC_005514	-4.44	3.84E-04	8.99E-04
RNY3P1	-4.49	3.84E-04	8.99E-04
SNORD37	-4.34	3.84E-04	9.00E-04
RN7SL431P	-3.87	3.84E-04	9.00E-04
ELF1	-0.43	3.84E-04	9.00E-04
PHACTR2-AS1	-3.50	3.84E-04	9.01E-04
ADAMDEC1	4.35	3.85E-04	9.01E-04
MAP2	-0.81	3.85E-04	9.01E-04
RPL37AP1	-4.17	3.85E-04	9.02E-04
SNORD111	-3.89	3.85E-04	9.02E-04
IQCH	-0.78	3.86E-04	9.03E-04
TRPM4	0.70	3.86E-04	9.03E-04
BRWD1-IT1	-3.89	3.88E-04	9.07E-04
RNU6-223P	-4.22	3.88E-04	9.09E-04
CTD-2376I4.2	1.85	3.88E-04	9.09E-04
RP4-761J14.8	-2.14	3.89E-04	9.10E-04
RAB11FIP2	-0.56	3.89E-04	9.10E-04
ADAMTS13	1.27	3.89E-04	9.10E-04
RP11-946P6.6	-1.83	3.89E-04	9.11E-04
TCF19	0.44	3.89E-04	9.11E-04
SLC9A9	-0.51	3.90E-04	9.12E-04
ZNF593	-4.18	3.90E-04	9.12E-04
RNF135	0.36	3.90E-04	9.13E-04
ACKR3	1.21	3.90E-04	9.13E-04
SCARNA24	-4.21	3.91E-04	9.14E-04
RP11-139F4.2	-4.25	3.92E-04	9.17E-04
RP11-759F5.1	-4.47	3.92E-04	9.17E-04
AC092295.4	-4.18	3.92E-04	9.18E-04

PTENP1	-1.71	3.92E-04	9.18E-04
PILRB	-1.54	3.93E-04	9.20E-04
RNU6-915P	-4.09	3.93E-04	9.20E-04
RP11-1E4.1	-3.13	3.93E-04	9.20E-04
SLC22A10	-4.56	3.94E-04	9.20E-04
OVOL1-AS1	-0.99	3.94E-04	9.21E-04
NAP1L2	-1.08	3.94E-04	9.21E-04
SSBP1	0.47	3.95E-04	9.23E-04
RP11-454F8.4	-1.89	3.97E-04	9.28E-04
RP11-370K11.1	-4.26	3.98E-04	9.29E-04
GNPNAT1	-0.51	3.98E-04	9.29E-04
CFL1P1	1.46	3.98E-04	9.31E-04
RP11-10J21.2	-2.90	3.99E-04	9.33E-04
AQP11	-1.33	3.99E-04	9.33E-04
RP3-388E23.2	-1.95	4.00E-04	9.34E-04
SLITRK5	-2.51	4.00E-04	9.34E-04
B3GNT7	1.13	4.00E-04	9.34E-04
G26207	-3.33	4.00E-04	9.35E-04
GHR	-0.55	4.01E-04	9.37E-04
CATSPER2	-1.39	4.02E-04	9.38E-04
RP11-630D6.5	-4.21	4.02E-04	9.38E-04
RP11-58K22.5	-4.04	4.02E-04	9.40E-04
CTD-3105H18.7	-4.12	4.03E-04	9.40E-04
RN7SL15P	-2.46	4.03E-04	9.40E-04
RP5-837J1.4	-4.25	4.03E-04	9.41E-04
RPS6KB1	-0.45	4.03E-04	9.41E-04
RP11-163E9.1	-2.18	4.03E-04	9.41E-04
IFI27L1	0.76	4.04E-04	9.43E-04
TIMM21	0.38	4.04E-04	9.44E-04
CTD-2609K8.3	-3.87	4.04E-04	9.44E-04
URI1	-0.43	4.04E-04	9.44E-04
LGI1	-2.40	4.05E-04	9.45E-04
KCNA3	-2.35	4.05E-04	9.45E-04
PSMD8	0.48	4.05E-04	9.45E-04
VPS9D1-AS1	1.85	4.05E-04	9.46E-04
RP4-647C14.3	-4.22	4.05E-04	9.46E-04
PCDHB10	0.80	4.07E-04	9.48E-04
HNRNPA3P11	-4.24	4.07E-04	9.50E-04
SYP	0.75	4.08E-04	9.51E-04
RP11-460N20.7	-2.49	4.08E-04	9.51E-04
RP11-235E17.4	-3.98	4.08E-04	9.52E-04
RP11-93H24.3	-1.67	4.08E-04	9.52E-04
RPL4P3	-4.39	4.09E-04	9.53E-04
MTCO1P15	-4.12	4.10E-04	9.55E-04
AFG3L2	-0.40	4.10E-04	9.55E-04

C8orf46	-1.61	4.10E-04	9.55E-04
RP11-1029M24.4	-4.19	4.11E-04	9.58E-04
G10661	3.38	4.12E-04	9.59E-04
NEFH	1.57	4.12E-04	9.59E-04
RAX2	-4.18	4.12E-04	9.60E-04
GRM8	3.52	4.12E-04	9.60E-04
RNU6-69P	-4.74	4.12E-04	9.61E-04
RNU6-862P	-4.22	4.13E-04	9.62E-04
AL355531.2	-4.36	4.13E-04	9.63E-04
GABBR2	-2.99	4.16E-04	9.68E-04
GBGT1	1.46	4.16E-04	9.69E-04
IL1A	-1.43	4.16E-04	9.69E-04
RP11-285J16.1	-2.07	4.16E-04	9.69E-04
LA16c-60H5.7	5.42	4.17E-04	9.70E-04
CYP3A5	-1.38	4.17E-04	9.70E-04
FAM13B	-0.39	4.17E-04	9.71E-04
RPL6P2	-4.53	4.17E-04	9.71E-04
RP11-46I1.2	-4.38	4.17E-04	9.71E-04
XXbac-B476C20.14	-4.12	4.17E-04	9.72E-04
AC073410.1	-1.90	4.18E-04	9.72E-04
OTOP1	2.07	4.18E-04	9.72E-04
RP11-543N12.1	-3.97	4.18E-04	9.73E-04
KB-1958F4.1	1.77	4.18E-04	9.73E-04
AC026904.1	2.26	4.18E-04	9.73E-04
ATF7	0.59	4.18E-04	9.74E-04
AP000662.4	-1.57	4.19E-04	9.76E-04
STK32B	1.41	4.19E-04	9.76E-04
RP11-522L3.11	-4.31	4.19E-04	9.76E-04
G3148	-2.69	4.20E-04	9.76E-04
HNRNPA1P15	-4.66	4.20E-04	9.77E-04
RNU4-62P	5.07	4.20E-04	9.78E-04
PTPRZ1	-0.90	4.21E-04	9.78E-04
AC016738.3	-4.02	4.21E-04	9.78E-04
RP11-1197K16.2	-4.38	4.21E-04	9.78E-04
WNT6	1.22	4.21E-04	9.80E-04
SHPK	0.62	4.22E-04	9.81E-04
HYI	0.88	4.22E-04	9.81E-04
RP11-574F21.2	-2.35	4.23E-04	9.82E-04
ATP6V0E1P1	-3.02	4.23E-04	9.83E-04
KCTD18	0.38	4.23E-04	9.83E-04
TFPI2	2.47	4.23E-04	9.84E-04
RP11-325F22.2	-2.23	4.23E-04	9.84E-04
SLC44A3	0.79	4.24E-04	9.85E-04
RP11-597M17.1	-4.66	4.24E-04	9.85E-04
RP11-286E11.2	-2.55	4.25E-04	9.87E-04

AP001596.6	1.99	4.25E-04	9.87E-04
RP1-122P22.4	2.67	4.25E-04	9.88E-04
YPEL5	0.50	4.25E-04	9.88E-04
XLOC_007934	-4.33	4.26E-04	9.89E-04
MIR320E	2.10	4.26E-04	9.89E-04
RNU6-588P	-4.45	4.26E-04	9.90E-04
TMEM42	0.60	4.26E-04	9.90E-04
RP11-692D12.1	-1.20	4.26E-04	9.90E-04
RP11-21A7A.4	-4.05	4.26E-04	9.90E-04
SLC6A7	3.82	4.26E-04	9.90E-04
RP5-1142J19.1	1.41	4.27E-04	9.90E-04
CTD-2154B17.2	-4.04	4.27E-04	9.91E-04
TDRD1	-3.19	4.27E-04	9.91E-04
FDX1P1	-4.04	4.27E-04	9.92E-04
SUPT3H	0.71	4.28E-04	9.93E-04
TWIST2	1.24	4.28E-04	9.94E-04
SLC22A1	-1.58	4.28E-04	9.94E-04
HADHA	0.38	4.30E-04	9.97E-04
HID1-AS1	3.18	4.30E-04	9.98E-04
RP11-58O9.2	1.38	4.31E-04	9.99E-04
LANCL1	-0.59	4.31E-04	9.99E-04
RP11-21C4.1	4.07	4.31E-04	1.00E-03
AC114296.1	-4.65	4.31E-04	1.00E-03
ARHGAP6	1.21	4.32E-04	1.00E-03
ST6GAL1	0.65	4.32E-04	1.00E-03
RP11-128N14.5	-2.83	4.32E-04	1.00E-03
G32185	3.58	4.32E-04	1.00E-03
GALT	-0.89	4.33E-04	1.00E-03
HOXB4	1.66	4.33E-04	1.00E-03
RP11-47L3.1	2.06	4.34E-04	1.01E-03
UQCRB	0.51	4.35E-04	1.01E-03
ASGR1	0.86	4.36E-04	1.01E-03
NPRL2	0.53	4.36E-04	1.01E-03
RNU6-375P	-4.34	4.36E-04	1.01E-03
FLJ22447	1.22	4.36E-04	1.01E-03
RP1-79C4.4	2.34	4.37E-04	1.01E-03
RP11-720L3.1	-4.10	4.37E-04	1.01E-03
RP11-384L8.2	-4.22	4.38E-04	1.01E-03
PALM	1.00	4.38E-04	1.02E-03
MS4A14	2.32	4.38E-04	1.02E-03
APOO	0.68	4.39E-04	1.02E-03
RN7SL182P	-4.05	4.40E-04	1.02E-03
RNU6-128P	-4.41	4.41E-04	1.02E-03
RP11-164P12.3	-1.52	4.42E-04	1.02E-03
TK2	0.51	4.42E-04	1.02E-03

CGRRF1	0.59	4.43E-04	1.03E-03
RP11-686G8.5	-4.23	4.43E-04	1.03E-03
ASTN2-AS1	-4.44	4.44E-04	1.03E-03
PHACTR2	-0.65	4.44E-04	1.03E-03
BTBD8	-1.25	4.45E-04	1.03E-03
AC005082.12	-1.39	4.45E-04	1.03E-03
MT-TL1	-4.60	4.45E-04	1.03E-03
ITGA11	1.67	4.46E-04	1.03E-03
ADPGK	0.50	4.46E-04	1.03E-03
UGT1A3	-4.01	4.46E-04	1.03E-03
LIMK2	0.44	4.46E-04	1.03E-03
CTB-187L3.1	-3.80	4.46E-04	1.03E-03
FAM192A	0.26	4.46E-04	1.03E-03
RP11-445L13__B.3	-4.16	4.47E-04	1.03E-03
POLD1	0.55	4.48E-04	1.04E-03
G24802	-3.81	4.48E-04	1.04E-03
CTB-13F3.1	1.81	4.48E-04	1.04E-03
KDM8	0.80	4.48E-04	1.04E-03
CA5B	-0.62	4.48E-04	1.04E-03
KMT2E	-0.46	4.49E-04	1.04E-03
AF213884.3	-4.15	4.49E-04	1.04E-03
RNU5A-6P	-4.44	4.49E-04	1.04E-03
LINC00982	2.74	4.49E-04	1.04E-03
RP4-673M15.1	1.35	4.50E-04	1.04E-03
RN7SL36P	-4.10	4.50E-04	1.04E-03
AC007551.1	-4.03	4.50E-04	1.04E-03
LMBRD1	-0.52	4.51E-04	1.04E-03
TSSC2	1.59	4.51E-04	1.04E-03
CENPJ	-0.55	4.52E-04	1.04E-03
ZNF318	-0.43	4.55E-04	1.05E-03
RP11-151N17.1	-1.47	4.55E-04	1.05E-03
RP4-669P10.16	-4.07	4.56E-04	1.05E-03
KB-1732A1.1	1.06	4.56E-04	1.05E-03
AC079834.2	-4.30	4.56E-04	1.05E-03
AK4	-0.61	4.57E-04	1.06E-03
MEX3B	1.42	4.58E-04	1.06E-03
DIO2	1.81	4.58E-04	1.06E-03
C9orf116	1.74	4.59E-04	1.06E-03
RP11-89N17.1	-3.36	4.61E-04	1.06E-03
FEZ1	1.02	4.61E-04	1.06E-03
MTND1P32	-3.95	4.61E-04	1.07E-03
RP11-59H7.1	-4.08	4.62E-04	1.07E-03
XLOC_005079	2.81	4.62E-04	1.07E-03
AC003682.16	-3.95	4.63E-04	1.07E-03
MEIS3P1	1.60	4.63E-04	1.07E-03

CTC-543D15.8	2.23	4.63E-04	1.07E-03
AC007365.4	-4.08	4.64E-04	1.07E-03
RP11-1017G21.3	-4.16	4.64E-04	1.07E-03
RP3-354N19.3	-3.48	4.64E-04	1.07E-03
FAM107B	-0.86	4.64E-04	1.07E-03
RP11-138H8.8	-2.14	4.65E-04	1.07E-03
GCNT4	-0.73	4.65E-04	1.07E-03
AGER	1.12	4.66E-04	1.07E-03
MKKS	0.39	4.66E-04	1.07E-03
NPEPPS	0.45	4.67E-04	1.08E-03
FXN	0.69	4.67E-04	1.08E-03
XLOC_011550	-4.45	4.68E-04	1.08E-03
CTD-2576D5.4	-4.14	4.68E-04	1.08E-03
MIR143	3.44	4.68E-04	1.08E-03
CTH	0.95	4.68E-04	1.08E-03
RN7SL650P	-2.23	4.68E-04	1.08E-03
POLR2I	-0.65	4.69E-04	1.08E-03
PDCL2	-3.79	4.69E-04	1.08E-03
G35258	-3.33	4.70E-04	1.08E-03
RALGPS1	-0.78	4.70E-04	1.08E-03
TMEM191B	2.70	4.70E-04	1.08E-03
HMGCR	-0.81	4.71E-04	1.09E-03
AC007292.3	-1.59	4.71E-04	1.09E-03
CHGA	-2.19	4.73E-04	1.09E-03
IKZF3	-1.02	4.73E-04	1.09E-03
RP11-48G14.1	-4.11	4.73E-04	1.09E-03
G18243	2.87	4.74E-04	1.09E-03
NKX6-2	3.04	4.74E-04	1.09E-03
CYB5RL	-0.82	4.74E-04	1.09E-03
UPF3AP2	1.98	4.74E-04	1.09E-03
GS1-124K5.12	0.64	4.74E-04	1.09E-03
SCFD2	-0.48	4.75E-04	1.09E-03
CTD-2083E4.4	-1.48	4.76E-04	1.10E-03
ANP32AP1	-3.92	4.77E-04	1.10E-03
G26757	-1.44	4.77E-04	1.10E-03
LTA4H	-0.49	4.77E-04	1.10E-03
GPR107	0.37	4.77E-04	1.10E-03
RP11-693N9.2	1.55	4.79E-04	1.10E-03
AC005841.1	-1.89	4.79E-04	1.10E-03
MIR597	-4.45	4.79E-04	1.10E-03
AC009120.11	-3.04	4.80E-04	1.10E-03
AADACL2-AS1	-1.66	4.82E-04	1.11E-03
VDAC1P11	-4.49	4.83E-04	1.11E-03
ACSM5	1.50	4.83E-04	1.11E-03
XLOC_001023	-0.78	4.83E-04	1.11E-03

MAOA	-0.84	4.83E-04	1.11E-03
CTD-2256P15.2	0.94	4.83E-04	1.11E-03
G25515	-4.05	4.83E-04	1.11E-03
RPS10P3	-1.51	4.84E-04	1.11E-03
GOT1	0.63	4.85E-04	1.12E-03
RP11-416L21.2	4.59	4.85E-04	1.12E-03
RP11-384F7.2	-4.20	4.86E-04	1.12E-03
VN1R107P	-3.58	4.86E-04	1.12E-03
RP11-799D4.4	0.87	4.86E-04	1.12E-03
ITGAL	1.21	4.87E-04	1.12E-03
AC004053.1	-4.09	4.87E-04	1.12E-03
RP11-119H12.4	-4.24	4.87E-04	1.12E-03
CEBPZ	-0.56	4.87E-04	1.12E-03
USP17L1	-4.12	4.88E-04	1.12E-03
LINC01623	-4.11	4.88E-04	1.12E-03
RP11-755F10.1	1.61	4.88E-04	1.12E-03
TPRN	0.53	4.89E-04	1.12E-03
LINC01119	2.42	4.89E-04	1.12E-03
FARSA-AS1	-3.26	4.90E-04	1.12E-03
SLC9A9-AS2	-4.08	4.90E-04	1.13E-03
ZNF697	0.85	4.90E-04	1.13E-03
CACNA1S	-3.17	4.91E-04	1.13E-03
PTPRQ	-3.79	4.91E-04	1.13E-03
HMGB3	0.55	4.92E-04	1.13E-03
GGH	0.96	4.92E-04	1.13E-03
CTD-2201G3.1	-1.91	4.92E-04	1.13E-03
PLCL1	0.93	4.93E-04	1.13E-03
HIF1AP1	-4.21	4.93E-04	1.13E-03
XLOC_005110	-1.84	4.93E-04	1.13E-03
PDLIM1P4	-1.89	4.94E-04	1.13E-03
PPM1N	1.04	4.94E-04	1.13E-03
RP11-88H12.2	-3.32	4.94E-04	1.13E-03
RNU6-1266P	-2.87	4.94E-04	1.13E-03
UBL5P2	-3.72	4.95E-04	1.14E-03
ADAMTS7P4	2.88	4.95E-04	1.14E-03
RNU5E-2P	-4.44	4.95E-04	1.14E-03
AP002954.3	-1.87	4.96E-04	1.14E-03
MIR2467	-4.25	4.98E-04	1.14E-03
AC092782.1	-4.28	4.98E-04	1.14E-03
DLL1	0.80	4.98E-04	1.14E-03
MIR591	-4.20	4.98E-04	1.14E-03
GLRX	1.22	4.98E-04	1.14E-03
RP11-72I8.1	-2.61	4.98E-04	1.14E-03
ZNF487	-0.64	4.99E-04	1.14E-03
LRRC55	1.60	4.99E-04	1.14E-03

AC090571.1	-3.98	4.99E-04	1.14E-03
AC005154.8	-2.97	5.00E-04	1.15E-03
RUFY1	0.33	5.00E-04	1.15E-03
RP11-83B20.6	-4.24	5.01E-04	1.15E-03
RP11-507J18.5	-3.79	5.01E-04	1.15E-03
AC007563.5	-3.31	5.01E-04	1.15E-03
RP11-809C18.3	-2.07	5.03E-04	1.15E-03
MIR563	-4.13	5.03E-04	1.15E-03
HIST1H2AM	-4.47	5.03E-04	1.15E-03
AP001258.5	-4.31	5.04E-04	1.15E-03
LMOD3	-1.89	5.04E-04	1.15E-03
CTB-105N12.2	-2.98	5.04E-04	1.16E-03
RP3-388N13.5	-4.00	5.05E-04	1.16E-03
RP4-751H13.7	-3.12	5.06E-04	1.16E-03
RP11-432B6.1	-4.06	5.06E-04	1.16E-03
TNFRSF8	1.43	5.06E-04	1.16E-03
ZNF85	-0.52	5.07E-04	1.16E-03
MSL3	0.44	5.07E-04	1.16E-03
RIPK3	0.72	5.07E-04	1.16E-03
CTB-131B5.2	-3.52	5.08E-04	1.16E-03
RNU7-101P	-4.48	5.08E-04	1.16E-03
CACNA2D4	1.05	5.09E-04	1.17E-03
RP11-196B3.1	-3.91	5.09E-04	1.17E-03
CDCA2	-0.79	5.10E-04	1.17E-03
ANKRD16	0.47	5.11E-04	1.17E-03
CCDC172	-4.94	5.11E-04	1.17E-03
TH2LCRR	-2.33	5.11E-04	1.17E-03
NPIPB6	-2.46	5.12E-04	1.17E-03
RN7SL113P	-2.51	5.13E-04	1.17E-03
RP11-5L12.1	-4.38	5.13E-04	1.17E-03
G7721	-4.92	5.13E-04	1.17E-03
ZNF70	-0.52	5.13E-04	1.17E-03
NUTF2P8	-4.21	5.13E-04	1.17E-03
RP11-659P15.2	-4.24	5.14E-04	1.18E-03
PPFIA4	1.37	5.14E-04	1.18E-03
MEG3	1.93	5.14E-04	1.18E-03
RP11-58A11.2	-1.79	5.14E-04	1.18E-03
PRSS51	-2.05	5.14E-04	1.18E-03
MIR3684	-4.16	5.15E-04	1.18E-03
SPATA5L1	0.44	5.15E-04	1.18E-03
G34278	-4.10	5.15E-04	1.18E-03
C6orf10	-3.46	5.16E-04	1.18E-03
TBCC	0.51	5.16E-04	1.18E-03
KRT28	-7.55	5.16E-04	1.18E-03
RP11-427L15.2	-1.62	5.17E-04	1.18E-03

RP1-267L14.3	-3.89	5.17E-04	1.18E-03
PEBP1P2	-3.98	5.17E-04	1.18E-03
RP11-894J14.2	-4.09	5.18E-04	1.18E-03
HDLBP	0.39	5.18E-04	1.18E-03
RP11-18M17.1	-2.32	5.18E-04	1.18E-03
TCEAL3-AS1	-3.81	5.18E-04	1.18E-03
RPS27P16	-2.69	5.20E-04	1.19E-03
DNAJC11	0.34	5.20E-04	1.19E-03
SLC35E1	0.32	5.20E-04	1.19E-03
EFCAB6-AS1	-4.36	5.20E-04	1.19E-03
NPW	1.77	5.21E-04	1.19E-03
HYAL3	1.43	5.21E-04	1.19E-03
SRSF12	-0.96	5.22E-04	1.19E-03
SETP5	-4.07	5.22E-04	1.19E-03
EMC8	0.48	5.22E-04	1.19E-03
RP11-235E17.6	-1.92	5.23E-04	1.19E-03
ZFP92	1.60	5.23E-04	1.19E-03
NFIC	0.91	5.24E-04	1.20E-03
GS1-259H13.7	-2.47	5.25E-04	1.20E-03
CACNB4	-1.40	5.25E-04	1.20E-03
RP11-367H5.8	-4.20	5.25E-04	1.20E-03
RP5-1198O20.4	1.38	5.25E-04	1.20E-03
RPL23AP17	-4.43	5.26E-04	1.20E-03
RP11-648O15.2	-4.33	5.26E-04	1.20E-03
CYP3A4	-1.75	5.26E-04	1.20E-03
RP11-131L12.4	-2.04	5.26E-04	1.20E-03
MOB4	-0.64	5.27E-04	1.20E-03
C5orf22	-0.46	5.27E-04	1.20E-03
RP11-83M16.5	-3.69	5.27E-04	1.20E-03
KB-1562D12.2	-4.07	5.28E-04	1.20E-03
CCL17	-2.18	5.28E-04	1.20E-03
MRPS21P9	-3.89	5.29E-04	1.21E-03
AP000473.6	-4.31	5.29E-04	1.21E-03
XLOC_011789	-4.61	5.29E-04	1.21E-03
IL20RA	-0.78	5.30E-04	1.21E-03
RP11-519G16.3	-2.48	5.30E-04	1.21E-03
S100A6	1.02	5.30E-04	1.21E-03
POLR3E	-0.51	5.30E-04	1.21E-03
RP11-415F23.4	-3.45	5.31E-04	1.21E-03
AC055764.1	-3.99	5.31E-04	1.21E-03
CDK2	-0.37	5.32E-04	1.21E-03
ANKRD30BP3	-2.77	5.32E-04	1.21E-03
PPT1	0.57	5.32E-04	1.21E-03
UNKL	0.67	5.33E-04	1.21E-03
ZNF565	-0.54	5.33E-04	1.21E-03

RP11-219B4.6	-4.19	5.33E-04	1.21E-03
AC019181.2	-2.31	5.33E-04	1.21E-03
RBM33	-0.54	5.34E-04	1.22E-03
MTCO2P2	-4.33	5.34E-04	1.22E-03
AL050316.1	-4.19	5.35E-04	1.22E-03
RP11-676J12.4	-2.94	5.35E-04	1.22E-03
COA6	0.64	5.36E-04	1.22E-03
AC016907.3	-4.15	5.36E-04	1.22E-03
ACTG1P3	-2.23	5.36E-04	1.22E-03
RP11-567P19.1	-3.83	5.36E-04	1.22E-03
STX11	0.76	5.36E-04	1.22E-03
TMEM40	0.58	5.36E-04	1.22E-03
RP11-110H1.4	-3.39	5.37E-04	1.22E-03
CTC-429P9.2	-0.67	5.37E-04	1.22E-03
OR2T10	-4.99	5.37E-04	1.22E-03
ATG16L1	-0.43	5.37E-04	1.22E-03
EDAR	1.67	5.38E-04	1.22E-03
FMO5	-0.99	5.38E-04	1.22E-03
TGFBR2	0.68	5.38E-04	1.22E-03
TRUB2	0.42	5.38E-04	1.22E-03
MID2	-0.64	5.38E-04	1.23E-03
RPL7P32	-3.28	5.39E-04	1.23E-03
DDX11L8	-4.28	5.39E-04	1.23E-03
TOMM40L	0.51	5.40E-04	1.23E-03
VPS33B	0.42	5.40E-04	1.23E-03
CTDSP2	0.35	5.40E-04	1.23E-03
PRRX2-AS1	-4.32	5.40E-04	1.23E-03
CEP120	-0.43	5.41E-04	1.23E-03
RP11-267J23.1	-4.22	5.41E-04	1.23E-03
SDR39U1	1.00	5.41E-04	1.23E-03
C10orf71-AS1	-4.53	5.41E-04	1.23E-03
RP11-10A14.9	-4.22	5.42E-04	1.23E-03
RPL24P8	-1.78	5.43E-04	1.23E-03
POLR3DP1	-2.52	5.44E-04	1.24E-03
RP11-93O14.3	-2.86	5.44E-04	1.24E-03
SDCBPP1	-4.49	5.44E-04	1.24E-03
SNORD56	-2.77	5.44E-04	1.24E-03
MAGEA11	-4.70	5.45E-04	1.24E-03
G26051	-2.53	5.45E-04	1.24E-03
TATDN2P1	-4.15	5.45E-04	1.24E-03
GDPD1	-0.78	5.45E-04	1.24E-03
DDC	-3.79	5.45E-04	1.24E-03
RP13-923O23.6	-4.03	5.45E-04	1.24E-03
HMGN1P10	-4.41	5.46E-04	1.24E-03
AC139100.4	-2.26	5.46E-04	1.24E-03

RP11-551L14.7	-4.11	5.46E-04	1.24E-03
RBM20	1.06	5.46E-04	1.24E-03
LINC01372	-1.80	5.47E-04	1.24E-03
NTM-AS1	-3.80	5.47E-04	1.24E-03
OR1K1	-4.39	5.48E-04	1.24E-03
RP13-467H17.1	-2.09	5.48E-04	1.24E-03
CTA-315H11.2	-4.21	5.48E-04	1.24E-03
PRH1	-2.81	5.49E-04	1.25E-03
CES5A	-2.03	5.49E-04	1.25E-03
PCSK4	2.03	5.49E-04	1.25E-03
TRIM67	-1.89	5.50E-04	1.25E-03
ITPKB-IT1	-3.90	5.50E-04	1.25E-03
ZNF843	0.76	5.50E-04	1.25E-03
CTC-806A22.1	-4.40	5.50E-04	1.25E-03
RN7SL75P	-3.93	5.50E-04	1.25E-03
DHX9	-0.39	5.50E-04	1.25E-03
DHX16	0.35	5.50E-04	1.25E-03
AC007050.17	-3.49	5.52E-04	1.25E-03
HMGB3P4	-2.17	5.54E-04	1.26E-03
RNY4P4	-4.09	5.55E-04	1.26E-03
AC004870.5	4.43	5.55E-04	1.26E-03
ZNF394	-0.38	5.55E-04	1.26E-03
GMFB	-0.56	5.55E-04	1.26E-03
CTD-2046J7.1	-4.47	5.55E-04	1.26E-03
AL049758.2	-4.53	5.56E-04	1.26E-03
HIATL1	-0.40	5.56E-04	1.26E-03
ZDHHC17	-0.47	5.57E-04	1.26E-03
PDE4C	2.14	5.57E-04	1.26E-03
TNRC18P1	-2.26	5.58E-04	1.27E-03
REEP5	-0.39	5.58E-04	1.27E-03
VENTXP6	-4.39	5.59E-04	1.27E-03
RNU6-789P	-4.20	5.59E-04	1.27E-03
PGM2L1	1.00	5.59E-04	1.27E-03
RP11-108M9.3	-2.89	5.60E-04	1.27E-03
TOB1	0.62	5.60E-04	1.27E-03
AL358815.1	-4.08	5.60E-04	1.27E-03
RP11-592P9.3	-4.18	5.60E-04	1.27E-03
AC003080.4	-4.38	5.60E-04	1.27E-03
FGFR4	1.50	5.61E-04	1.27E-03
YWHAZP4	-4.13	5.61E-04	1.27E-03
MYB-AS1	-4.57	5.62E-04	1.27E-03
DIRC1	5.01	5.62E-04	1.27E-03
EEF1A1P5	-0.79	5.63E-04	1.27E-03
MIR590	-1.77	5.64E-04	1.28E-03
AC004449.6	-2.51	5.64E-04	1.28E-03

Gene	Value	p-value	q-value
RP11-674I16.1	-4.02	5.64E-04	1.28E-03
HPD	2.59	5.64E-04	1.28E-03
CCZ1	-0.77	5.64E-04	1.28E-03
RHEBP3	-4.26	5.64E-04	1.28E-03
HNRNPA1P71	-4.36	5.64E-04	1.28E-03
WNT16	-1.07	5.65E-04	1.28E-03
TPST1	1.01	5.66E-04	1.28E-03
RNU4-54P	-4.03	5.66E-04	1.28E-03
AP000473.5	-1.58	5.67E-04	1.28E-03
FAM188B	-1.37	5.67E-04	1.28E-03
AC004054.1	-4.35	5.67E-04	1.28E-03
L3MBTL4-AS1	-1.90	5.68E-04	1.28E-03
RPS3AP6	-0.72	5.68E-04	1.29E-03
RP11-141C7.4	-4.33	5.69E-04	1.29E-03
CYCSP40	-4.17	5.71E-04	1.29E-03
GARS	0.53	5.71E-04	1.29E-03
RPL34P21	-4.10	5.71E-04	1.29E-03
RP11-349G13.3	-3.39	5.72E-04	1.29E-03
BOLA3-AS1	0.96	5.72E-04	1.29E-03
PDLIM5	-0.45	5.72E-04	1.29E-03
EYA4	3.58	5.73E-04	1.29E-03
G5664	-4.40	5.73E-04	1.30E-03
SUB1P1	-1.95	5.74E-04	1.30E-03
AC009495.4	-3.48	5.75E-04	1.30E-03
PSMB5	0.56	5.75E-04	1.30E-03
RN7SKP23	-1.35	5.75E-04	1.30E-03
EEF2KMT	0.68	5.75E-04	1.30E-03
AC005392.13	-4.23	5.76E-04	1.30E-03
C7orf57	2.31	5.76E-04	1.30E-03
MIATNB	-0.90	5.77E-04	1.30E-03
RP11-328C8.4	-4.51	5.77E-04	1.30E-03
AC009303.3	-3.93	5.78E-04	1.30E-03
RP11-561O23.8	-2.31	5.78E-04	1.31E-03
XLOC_005510	2.53	5.78E-04	1.31E-03
CTC-244M17.1	-3.88	5.79E-04	1.31E-03
SRL	1.22	5.79E-04	1.31E-03
TRBC2	1.35	5.80E-04	1.31E-03
XLOC_005515	-4.48	5.80E-04	1.31E-03
AC091729.9	0.87	5.80E-04	1.31E-03
XLOC_014082	-0.84	5.81E-04	1.31E-03
C4orf45	-3.86	5.82E-04	1.31E-03
SOAT1	-2.36	5.82E-04	1.31E-03
G26709	-3.94	5.82E-04	1.31E-03
CD244	1.89	5.82E-04	1.31E-03
LINC01420	0.48	5.82E-04	1.31E-03

XLOC_000839	-3.92	5.83E-04	1.32E-03
HAS2	-1.12	5.84E-04	1.32E-03
ARNTL2	-0.70	5.84E-04	1.32E-03
RP11-1277A3.3	1.90	5.86E-04	1.32E-03
RP11-197M22.2	-2.01	5.86E-04	1.32E-03
RP11-459O16.1	-4.72	5.87E-04	1.32E-03
RP11-483H20.4	-2.27	5.87E-04	1.32E-03
NTPCR	0.42	5.87E-04	1.32E-03
BBS1	-1.37	5.87E-04	1.32E-03
CTD-2363C16.2	-3.30	5.88E-04	1.33E-03
TEX29	2.07	5.90E-04	1.33E-03
RP11-344F13.1	-4.23	5.91E-04	1.33E-03
SLC43A3	0.79	5.91E-04	1.33E-03
LINC00176	1.13	5.91E-04	1.33E-03
RP11-48B3.3	-1.73	5.91E-04	1.33E-03
LAMTOR3P2	-1.97	5.91E-04	1.33E-03
RP11-6B19.1	-2.79	5.91E-04	1.33E-03
RP5-1011O1.2	-4.18	5.92E-04	1.33E-03
LINC01552	-3.77	5.92E-04	1.33E-03
CD274	1.13	5.92E-04	1.33E-03
TMEM189	-0.63	5.93E-04	1.34E-03
KRT74	-4.69	5.93E-04	1.34E-03
RFC2	0.53	5.93E-04	1.34E-03
LLGL2	0.67	5.93E-04	1.34E-03
RPS16P5	-4.09	5.93E-04	1.34E-03
EEF1A1P6	-0.84	5.94E-04	1.34E-03
DHX29	-0.49	5.94E-04	1.34E-03
MIR210	1.99	5.94E-04	1.34E-03
AC013448.2	-4.28	5.94E-04	1.34E-03
G555	-2.63	5.94E-04	1.34E-03
CDCP1	-0.46	5.95E-04	1.34E-03
RP11-96H17.3	-2.02	5.95E-04	1.34E-03
CMTR1	0.33	5.95E-04	1.34E-03
RP11-996F15.2	-1.22	5.96E-04	1.34E-03
WHAMMP2	1.02	5.96E-04	1.34E-03
RNF144A-AS1	1.74	5.97E-04	1.34E-03
FBXW12	-2.00	5.97E-04	1.34E-03
XLOC_007865	2.24	5.97E-04	1.34E-03
MIR342	-4.18	5.98E-04	1.35E-03
ERCC1	0.42	5.99E-04	1.35E-03
METTL5	0.47	5.99E-04	1.35E-03
CDH10	-3.37	6.01E-04	1.35E-03
RPL7P16	2.43	6.01E-04	1.35E-03
PTPRN	3.33	6.02E-04	1.35E-03
RNU6-773P	-4.30	6.02E-04	1.35E-03

SEMA4A	0.58	6.02E-04	1.35E-03
CH507-42P11.7	-1.00	6.02E-04	1.35E-03
RP11-502N13.2	-2.70	6.02E-04	1.35E-03
RP11-474C8.8	-2.39	6.04E-04	1.36E-03
TAF7L	-1.15	6.04E-04	1.36E-03
ARHGAP11B	-0.75	6.05E-04	1.36E-03
XLOC_007925	-1.32	6.05E-04	1.36E-03
RNA5SP493	-4.38	6.06E-04	1.36E-03
LINC01614	6.68	6.07E-04	1.36E-03
HSPE1P25	-4.00	6.07E-04	1.36E-03
RP11-667M19.2	-3.24	6.08E-04	1.37E-03
RNU6-1289P	-4.31	6.08E-04	1.37E-03
C10orf131	-2.24	6.08E-04	1.37E-03
KCNJ4	3.92	6.08E-04	1.37E-03
RNFT2	-1.24	6.09E-04	1.37E-03
RAB3D	-0.65	6.09E-04	1.37E-03
POM121	0.63	6.09E-04	1.37E-03
FTH1P4	-4.12	6.10E-04	1.37E-03
RPL23AP58	-2.72	6.10E-04	1.37E-03
STX19	-0.74	6.10E-04	1.37E-03
DUTP6	-1.26	6.11E-04	1.37E-03
ADGRA2	1.24	6.13E-04	1.38E-03
AL356776.1	-2.58	6.13E-04	1.38E-03
FCF1	0.36	6.14E-04	1.38E-03
RNU6-613P	-4.47	6.14E-04	1.38E-03
KRTAP3-2	-5.42	6.14E-04	1.38E-03
UBE2G1	0.34	6.15E-04	1.38E-03
LRRC2-AS1	-4.15	6.15E-04	1.38E-03
ZNF574	0.46	6.16E-04	1.38E-03
RP4-800G7.3	-2.00	6.16E-04	1.38E-03
RP1-278C19.8	-4.43	6.16E-04	1.38E-03
AC018693.6	-4.08	6.16E-04	1.38E-03
LCK	1.24	6.17E-04	1.39E-03
RP11-932O9.10	-2.07	6.18E-04	1.39E-03
RNU6-1171P	-4.18	6.18E-04	1.39E-03
NEGR1	1.57	6.18E-04	1.39E-03
RNA5SP283	3.63	6.19E-04	1.39E-03
TNFRSF18	-0.89	6.19E-04	1.39E-03
G35511	-1.49	6.20E-04	1.39E-03
LRAT	-1.66	6.20E-04	1.39E-03
MTFR1L	0.49	6.21E-04	1.39E-03
ADAT3	0.74	6.22E-04	1.39E-03
RP11-708J19.1	1.13	6.22E-04	1.39E-03
MTA3	0.36	6.22E-04	1.39E-03
ENC1	0.81	6.22E-04	1.40E-03

RP11-503L23.1	-4.43	6.22E-04	1.40E-03
SPRYD4	0.44	6.23E-04	1.40E-03
AL357673.1	0.75	6.23E-04	1.40E-03
BCL2L2-PABPN1	-2.42	6.24E-04	1.40E-03
HOXD-AS2	1.71	6.25E-04	1.40E-03
C1QL4	-2.28	6.26E-04	1.40E-03
CTD-2218G20.1	-4.50	6.26E-04	1.40E-03
RP5-836J3.1	-3.56	6.26E-04	1.40E-03
ALKBH3	0.36	6.28E-04	1.41E-03
RP11-406H23.2	-2.58	6.29E-04	1.41E-03
NSUN6	-0.52	6.29E-04	1.41E-03
MIR561	-4.14	6.29E-04	1.41E-03
SIK1	-4.17	6.29E-04	1.41E-03
AC018867.1	-3.25	6.29E-04	1.41E-03
LINC01208	-4.25	6.29E-04	1.41E-03
XLOC_004915	-1.94	6.30E-04	1.41E-03
XLOC_008282	3.09	6.32E-04	1.41E-03
ALOX12-AS1	-1.00	6.32E-04	1.41E-03
ECHDC3	0.79	6.32E-04	1.41E-03
CTC-412M14.5	-3.52	6.32E-04	1.41E-03
RNU6-645P	-4.32	6.32E-04	1.41E-03
CRLS1	0.28	6.32E-04	1.42E-03
RPL7P26	-3.89	6.33E-04	1.42E-03
RNU6-1282P	-4.20	6.33E-04	1.42E-03
PWWP2AP1	-4.12	6.33E-04	1.42E-03
NACAD	1.31	6.33E-04	1.42E-03
RRS1	0.72	6.34E-04	1.42E-03
AC069257.8	-2.78	6.36E-04	1.42E-03
C11orf30	-0.42	6.37E-04	1.43E-03
RNU7-196P	-4.29	6.37E-04	1.43E-03
AC007036.4	-2.17	6.38E-04	1.43E-03
FGFR1OP	-0.70	6.38E-04	1.43E-03
CLK3	0.43	6.39E-04	1.43E-03
RN7SKP56	-4.18	6.41E-04	1.43E-03
RP11-583F2.2	-3.33	6.41E-04	1.43E-03
CTD-3162L10.3	-4.20	6.41E-04	1.43E-03
RELL2	1.20	6.42E-04	1.44E-03
CTD-2001C12.1	-1.86	6.43E-04	1.44E-03
G42895	-1.64	6.44E-04	1.44E-03
GREB1	-1.12	6.46E-04	1.45E-03
HMGN2P38	-4.26	6.46E-04	1.45E-03
RP11-73G16.2	-1.93	6.47E-04	1.45E-03
XLOC_004697	-1.93	6.47E-04	1.45E-03
RPS2P39	-4.19	6.47E-04	1.45E-03
HS6ST1P1	2.75	6.48E-04	1.45E-03

AL356741.1	-4.16	6.49E-04	1.45E-03
CFAP69	-0.84	6.49E-04	1.45E-03
TAF5L	0.30	6.49E-04	1.45E-03
XKRX	-1.04	6.49E-04	1.45E-03
Z98941.1	-4.40	6.49E-04	1.45E-03
HLA-DQB2	-1.17	6.52E-04	1.46E-03
CTC-523E23.11	1.41	6.53E-04	1.46E-03
RNU6-1305P	-3.86	6.54E-04	1.46E-03
ACSL6	-2.56	6.54E-04	1.46E-03
TMEM139	1.44	6.55E-04	1.46E-03
VPS39	0.32	6.55E-04	1.46E-03
AKAP6	-0.85	6.56E-04	1.46E-03
KLHDC9	0.98	6.56E-04	1.47E-03
CTC-490G23.6	-3.82	6.57E-04	1.47E-03
TRPC1	-0.65	6.57E-04	1.47E-03
C11orf94	-1.73	6.57E-04	1.47E-03
AKAP17BP	-2.89	6.57E-04	1.47E-03
G354	1.75	6.58E-04	1.47E-03
AC022400.1	-3.38	6.59E-04	1.47E-03
SLC25A45	1.05	6.60E-04	1.47E-03
TDRD15	-4.13	6.61E-04	1.48E-03
AOC4P	2.85	6.62E-04	1.48E-03
NOBOX	-4.15	6.63E-04	1.48E-03
EDA	-0.59	6.63E-04	1.48E-03
TREH	-2.92	6.63E-04	1.48E-03
RP11-321F6.2	-4.47	6.63E-04	1.48E-03
ABCA9-AS1	-4.06	6.64E-04	1.48E-03
F2RL1	-0.59	6.65E-04	1.48E-03
XLOC_007868	-2.02	6.65E-04	1.48E-03
RP11-15A1.9	-2.26	6.65E-04	1.48E-03
RREB1	-0.49	6.65E-04	1.48E-03
MIR193B	-4.24	6.66E-04	1.49E-03
C10orf90	-1.25	6.67E-04	1.49E-03
CLYBL-AS2	-4.04	6.67E-04	1.49E-03
ZNF605	-0.52	6.68E-04	1.49E-03
MSS51	-1.13	6.69E-04	1.49E-03
RP11-689E3.2	-4.17	6.69E-04	1.49E-03
ADH1C	3.50	6.70E-04	1.49E-03
AL450226.2	-3.11	6.70E-04	1.49E-03
RPL23AP72	-4.05	6.71E-04	1.50E-03
RNY4P25	-3.93	6.71E-04	1.50E-03
RP11-120K24.4	-2.66	6.73E-04	1.50E-03
CTC-510F12.2	2.34	6.74E-04	1.50E-03
CCDC30	-0.80	6.75E-04	1.50E-03
HEXB	0.55	6.76E-04	1.51E-03

RPL5P32	-4.26	6.76E-04	1.51E-03
RN7SL748P	-4.09	6.76E-04	1.51E-03
LPAR3	-0.67	6.76E-04	1.51E-03
PAPD7	-0.41	6.76E-04	1.51E-03
TRIM6	1.30	6.77E-04	1.51E-03
RP11-392M9.2	-4.09	6.77E-04	1.51E-03
SLC36A1	0.67	6.77E-04	1.51E-03
AC009245.3	-1.58	6.77E-04	1.51E-03
CPS1	-0.72	6.78E-04	1.51E-03
LRP1-AS	-2.97	6.79E-04	1.51E-03
ABCC11	-1.43	6.80E-04	1.51E-03
RWDD2A	0.49	6.80E-04	1.51E-03
AC078864.1	-3.89	6.80E-04	1.51E-03
PSMC1P7	-2.57	6.80E-04	1.51E-03
OXCT2P1	2.90	6.81E-04	1.52E-03
RNU6-212P	-4.24	6.81E-04	1.52E-03
PRKG2	-1.39	6.82E-04	1.52E-03
HLA-K	1.83	6.82E-04	1.52E-03
MIR497HG	-1.78	6.84E-04	1.52E-03
GTF2I	-0.33	6.86E-04	1.53E-03
KB-1980E6.3	4.25	6.86E-04	1.53E-03
RP11-440G5.2	2.81	6.86E-04	1.53E-03
ARFGAP3	0.46	6.86E-04	1.53E-03
IRX2	0.45	6.86E-04	1.53E-03
RP11-394I13.1	2.28	6.88E-04	1.53E-03
DIO3OS	1.47	6.88E-04	1.53E-03
XXbac-BPG252P9.9	-2.67	6.89E-04	1.53E-03
LMAN2L	0.54	6.89E-04	1.53E-03
PIGFP2	-4.41	6.89E-04	1.53E-03
CEACAM6	2.24	6.89E-04	1.53E-03
CDC20	0.83	6.91E-04	1.54E-03
AC010883.5	-2.20	6.91E-04	1.54E-03
RP4-635A23.3	-4.14	6.91E-04	1.54E-03
RP11-324E6.6	-4.03	6.93E-04	1.54E-03
AC016700.2	-4.19	6.93E-04	1.54E-03
BIN1	1.09	6.94E-04	1.54E-03
CTNS	0.51	6.94E-04	1.54E-03
RP11-388K2.1	-4.41	6.95E-04	1.54E-03
TRIM62	0.73	6.95E-04	1.54E-03
EIF3CL	-1.11	6.95E-04	1.54E-03
TSG101	0.42	6.97E-04	1.55E-03
CTA-339C12.1	-2.88	6.98E-04	1.55E-03
RP4-657D16.6	-4.13	6.98E-04	1.55E-03
RP11-177G23.1	-2.25	6.98E-04	1.55E-03
COX7CP1	-3.81	6.98E-04	1.55E-03

RP4-673D20.6	-1.98	6.99E-04	1.55E-03
HLA-W	-3.26	6.99E-04	1.55E-03
MIR4449	-4.12	6.99E-04	1.55E-03
RP11-757F18.3	-1.93	7.00E-04	1.55E-03
RP11-557C18.3	-3.31	7.01E-04	1.56E-03
6-Sep	0.89	7.02E-04	1.56E-03
RP11-203M5.2	-4.15	7.02E-04	1.56E-03
LINC00167	-2.54	7.02E-04	1.56E-03
WNT10B	-0.97	7.03E-04	1.56E-03
RP1-149A16.3	-2.66	7.03E-04	1.56E-03
MIEF1	0.31	7.03E-04	1.56E-03
OSBPL1A	0.55	7.04E-04	1.56E-03
PRELID2	-0.79	7.04E-04	1.56E-03
NCF1B	2.21	7.06E-04	1.57E-03
RGS1	1.55	7.06E-04	1.57E-03
RP11-38J22.6	-4.35	7.06E-04	1.57E-03
RP11-177B4.1	-1.70	7.06E-04	1.57E-03
CTD-2314B22.2	4.66	7.06E-04	1.57E-03
C15orf53	-4.20	7.07E-04	1.57E-03
RPL21P136	-2.47	7.07E-04	1.57E-03
RP11-435J9.2	-2.43	7.07E-04	1.57E-03
PHLDA1	0.59	7.07E-04	1.57E-03
LINC00664	-2.33	7.08E-04	1.57E-03
KPRP	1.19	7.08E-04	1.57E-03
AC006946.12	-2.77	7.08E-04	1.57E-03
AC017074.2	-1.13	7.09E-04	1.57E-03
RP13-228J13.8	-4.00	7.10E-04	1.57E-03
OXTR	1.81	7.10E-04	1.57E-03
SNURF	-2.73	7.13E-04	1.58E-03
GPR37	0.75	7.14E-04	1.58E-03
PCYOX1	-0.45	7.14E-04	1.58E-03
MAST4-AS1	-1.05	7.15E-04	1.58E-03
PPM1B	-0.44	7.16E-04	1.59E-03
MTATP6P1	3.05	7.17E-04	1.59E-03
RP11-673F18.1	-3.73	7.18E-04	1.59E-03
DSCR9	-3.03	7.19E-04	1.59E-03
RP11-713N11.5	-4.50	7.20E-04	1.59E-03
C6orf203	0.43	7.20E-04	1.59E-03
PXK	-0.34	7.22E-04	1.60E-03
ZNF609	-0.32	7.22E-04	1.60E-03
ISPD	-0.70	7.22E-04	1.60E-03
AC002310.10	-4.33	7.23E-04	1.60E-03
C1orf61	-2.61	7.24E-04	1.60E-03
RCBTB2P1	-3.72	7.24E-04	1.60E-03
AC008073.9	-4.32	7.24E-04	1.60E-03

RN7SL809P	-2.41	7.25E-04	1.60E-03
RP4-784A16.4	-4.35	7.25E-04	1.61E-03
CXCL12	1.56	7.25E-04	1.61E-03
FAM26F	1.90	7.25E-04	1.61E-03
MFAP1	0.53	7.27E-04	1.61E-03
CTNNAL1	-0.59	7.27E-04	1.61E-03
RP1-138B7.4	-3.92	7.27E-04	1.61E-03
RP11-219B17.3	-1.48	7.29E-04	1.61E-03
AC078883.3	-1.55	7.29E-04	1.61E-03
SMIM11A	-4.05	7.30E-04	1.62E-03
RP11-478C6.2	-3.61	7.31E-04	1.62E-03
AC061992.2	3.25	7.31E-04	1.62E-03
RP11-679B19.2	-4.39	7.31E-04	1.62E-03
BEST2	-1.50	7.31E-04	1.62E-03
XLOC_007955	3.03	7.31E-04	1.62E-03
PKMYT1	0.80	7.32E-04	1.62E-03
MYO1A	-1.68	7.32E-04	1.62E-03
IBSP	6.19	7.32E-04	1.62E-03
RP11-347E10.1	-4.03	7.33E-04	1.62E-03
ABHD11	0.61	7.33E-04	1.62E-03
RP11-310E22.4	-2.80	7.33E-04	1.62E-03
MIR545	-4.06	7.33E-04	1.62E-03
FAM86JP	-0.93	7.35E-04	1.62E-03
IKBKAP	-0.54	7.35E-04	1.63E-03
G35786	-2.99	7.36E-04	1.63E-03
RNU6-57P	-4.24	7.37E-04	1.63E-03
RP11-2N1.2	-3.55	7.39E-04	1.63E-03
NXT2	-0.64	7.39E-04	1.63E-03
PADI1	1.35	7.39E-04	1.63E-03
MLXIP	0.82	7.40E-04	1.63E-03
YRDCP1	-3.95	7.40E-04	1.63E-03
TRIM25	-0.41	7.40E-04	1.64E-03
RP11-15I20.1	-4.16	7.41E-04	1.64E-03
RP11-87H9.5	-4.20	7.42E-04	1.64E-03
ATP8B3	1.23	7.42E-04	1.64E-03
ILK	-1.85	7.42E-04	1.64E-03
RP11-69L16.4	-3.89	7.43E-04	1.64E-03
RP5-832C2.5	1.02	7.43E-04	1.64E-03
PODXL2	0.73	7.43E-04	1.64E-03
WDR12	-0.40	7.44E-04	1.64E-03
RNU1-27P	-4.48	7.44E-04	1.64E-03
DGCR8	0.44	7.45E-04	1.64E-03
RP3-329A5.8	-1.80	7.45E-04	1.64E-03
RP11-324D17.1	-5.08	7.45E-04	1.65E-03
PRKCA	-0.64	7.46E-04	1.65E-03

RP11-111A22.1	-2.10	7.46E-04	1.65E-03
MIR219A2	-4.18	7.47E-04	1.65E-03
AC007163.3	3.54	7.47E-04	1.65E-03
CTD-2215E18.3	-4.24	7.48E-04	1.65E-03
FAM124B	0.95	7.49E-04	1.65E-03
RP11-1109F11.5	-3.78	7.50E-04	1.65E-03
CTB-77H17.1	-4.12	7.50E-04	1.66E-03
CTD-2284J15.1	-1.02	7.50E-04	1.66E-03
NDUFA5P11	-4.10	7.50E-04	1.66E-03
RPLP1P13	-4.18	7.50E-04	1.66E-03
RP11-1149M10.1	-3.06	7.51E-04	1.66E-03
RP11-578O24.2	-1.51	7.51E-04	1.66E-03
CNOT10-AS1	-3.23	7.52E-04	1.66E-03
RP11-452L6.6	1.92	7.53E-04	1.66E-03
RP4-791M13.3	-2.19	7.53E-04	1.66E-03
IL7	-0.80	7.54E-04	1.66E-03
CHL1-AS1	-1.95	7.54E-04	1.66E-03
HOXC-AS1	1.08	7.56E-04	1.67E-03
DBH-AS1	3.58	7.58E-04	1.67E-03
FTH1P1	-3.93	7.58E-04	1.67E-03
MIR644A	-4.02	7.59E-04	1.67E-03
PLAC8L1	-1.30	7.60E-04	1.68E-03
RP11-77G23.2	-4.08	7.60E-04	1.68E-03
XLOC_002780	-4.07	7.61E-04	1.68E-03
KLRD1	1.42	7.62E-04	1.68E-03
GSTM3P2	-4.34	7.62E-04	1.68E-03
RP11-134K13.4	-1.94	7.63E-04	1.68E-03
OVOL1	-0.79	7.63E-04	1.68E-03
LINC01560	0.64	7.65E-04	1.68E-03
PVRIG	-3.46	7.65E-04	1.68E-03
RP11-1017G21.4	-2.07	7.65E-04	1.69E-03
LIN7B	0.75	7.65E-04	1.69E-03
ARPC5	0.45	7.66E-04	1.69E-03
RP13-941N14.1	-2.37	7.67E-04	1.69E-03
RNU6-540P	-3.94	7.67E-04	1.69E-03
C10orf91	1.87	7.69E-04	1.69E-03
YWHAB	0.36	7.69E-04	1.69E-03
AC004945.1	-4.36	7.71E-04	1.70E-03
ZNF705E	-2.98	7.71E-04	1.70E-03
CTD-2313N18.8	-4.27	7.72E-04	1.70E-03
GLYATL1P4	-2.85	7.73E-04	1.70E-03
KRTAP3-3	-5.64	7.73E-04	1.70E-03
TRAF3IP1	0.42	7.74E-04	1.70E-03
RP11-769O8.3	-2.96	7.74E-04	1.70E-03
RP11-89K11.1	2.22	7.77E-04	1.71E-03

RP11-1016B18.1	-4.66	7.77E-04	1.71E-03
LINC01424	-3.32	7.78E-04	1.71E-03
RP4-665N4.8	-2.41	7.78E-04	1.71E-03
SPRTN	-0.46	7.78E-04	1.71E-03
CCDC148	1.72	7.79E-04	1.71E-03
RP11-527N22.2	2.23	7.80E-04	1.72E-03
AC000003.1	-4.22	7.80E-04	1.72E-03
SRBD1	-0.56	7.81E-04	1.72E-03
RP11-392O17.1	2.04	7.81E-04	1.72E-03
RP11-465B22.3	1.13	7.81E-04	1.72E-03
TRAK2	-0.55	7.81E-04	1.72E-03
RASA4DP	2.08	7.81E-04	1.72E-03
AC006160.5	-2.27	7.82E-04	1.72E-03
MPRIP-AS1	-1.66	7.83E-04	1.72E-03
EXOC4	-0.39	7.84E-04	1.72E-03
PUSL1	0.57	7.84E-04	1.72E-03
NSUN4	0.30	7.85E-04	1.72E-03
PRDM5	-0.79	7.87E-04	1.73E-03
DEFB109P1B	-4.25	7.88E-04	1.73E-03
CTD-2326C4.1	-4.44	7.88E-04	1.73E-03
G24514	-1.76	7.88E-04	1.73E-03
JCHAIN	-3.17	7.88E-04	1.73E-03
KIAA1644	1.27	7.88E-04	1.73E-03
VWA3A	1.48	7.89E-04	1.73E-03
AC007566.10	-1.54	7.89E-04	1.73E-03
RP11-495P10.2	2.76	7.90E-04	1.73E-03
RP11-318K15.2	-3.83	7.90E-04	1.73E-03
XLOC_006578	-4.57	7.90E-04	1.74E-03
ZNF839P1	-3.03	7.91E-04	1.74E-03
TRAF3	0.38	7.91E-04	1.74E-03
RP11-241J12.1	-4.37	7.91E-04	1.74E-03
CTD-2314G24.2	-2.41	7.92E-04	1.74E-03
HINT3	-0.56	7.93E-04	1.74E-03
G3524	-2.57	7.93E-04	1.74E-03
RP3-508I15.19	-3.23	7.93E-04	1.74E-03
GPR17	-1.55	7.94E-04	1.74E-03
C10orf76	0.33	7.94E-04	1.74E-03
RP11-349G13.1	-2.43	7.95E-04	1.75E-03
GATA3	-0.73	7.97E-04	1.75E-03
MTRF1LP2	-1.91	7.98E-04	1.75E-03
GBP1P1	1.42	7.99E-04	1.75E-03
RP11-386I14.4	-1.56	7.99E-04	1.75E-03
RP5-1125A11.6	-1.69	7.99E-04	1.75E-03
SEC14L3	-4.55	7.99E-04	1.75E-03
LRP1B	-1.40	7.99E-04	1.75E-03

RP11-423O2.1	-2.84	8.01E-04	1.76E-03
RP11-132J14.3	-3.93	8.01E-04	1.76E-03
SMARCC1	-0.37	8.02E-04	1.76E-03
G40766	-3.33	8.03E-04	1.76E-03
RP5-1037N22.2	-4.17	8.03E-04	1.76E-03
RP11-680L20.1	-4.40	8.04E-04	1.76E-03
LSM8	-0.37	8.04E-04	1.76E-03
SLC25A18	-1.89	8.04E-04	1.76E-03
MIR3611	-4.30	8.05E-04	1.76E-03
XLOC_002996	-1.87	8.05E-04	1.77E-03
FAM151B	-0.77	8.07E-04	1.77E-03
AC096775.2	-4.20	8.08E-04	1.77E-03
G28331	-1.14	8.08E-04	1.77E-03
ZNF25	-0.54	8.08E-04	1.77E-03
PTGER4	0.93	8.09E-04	1.77E-03
RNASEH2B-AS1	-1.72	8.11E-04	1.78E-03
LRRC37A9P	-3.86	8.11E-04	1.78E-03
RP11-174O3.3	-4.29	8.11E-04	1.78E-03
MIR4482-1	-2.26	8.11E-04	1.78E-03
RP11-407N8.6	-4.03	8.13E-04	1.78E-03
RP11-529F4.1	-1.26	8.13E-04	1.78E-03
LY6D	-0.61	8.14E-04	1.78E-03
PSMC1P9	-1.90	8.14E-04	1.78E-03
CTD-2553L13.7	-3.25	8.15E-04	1.79E-03
AP000223.42	-1.73	8.16E-04	1.79E-03
LINC01497	-3.53	8.16E-04	1.79E-03
FCF1P1	-2.85	8.17E-04	1.79E-03
CORO6	1.34	8.18E-04	1.79E-03
MASTL	-0.45	8.18E-04	1.79E-03
AC005154.7	-1.86	8.18E-04	1.79E-03
RP11-723D22.3	2.48	8.19E-04	1.79E-03
CTB-174D11.3	-3.88	8.20E-04	1.79E-03
RP11-552F3.4	-4.11	8.20E-04	1.80E-03
RP6-109B7.5	-1.04	8.20E-04	1.80E-03
RP11-603B24.1	3.61	8.21E-04	1.80E-03
CD44	-0.35	8.23E-04	1.80E-03
BX470102.3	-1.64	8.23E-04	1.80E-03
RP11-448G15.1	-4.06	8.23E-04	1.80E-03
RP11-456H18.2	-2.16	8.24E-04	1.80E-03
RNU6-893P	-3.92	8.25E-04	1.81E-03
RP11-328D5.1	-4.45	8.26E-04	1.81E-03
RP11-54O7.17	2.05	8.26E-04	1.81E-03
HSPD1P1	-4.17	8.26E-04	1.81E-03
RP11-569G9.7	-2.23	8.27E-04	1.81E-03
SLC35D3	-4.26	8.27E-04	1.81E-03

ABHD12	0.54	8.29E-04	1.81E-03
AP003774.4	3.06	8.29E-04	1.81E-03
N4BP1	0.36	8.30E-04	1.81E-03
STMN1P1	-3.93	8.30E-04	1.81E-03
RN7SL434P	-3.86	8.31E-04	1.82E-03
RP11-477H21.2	-1.38	8.31E-04	1.82E-03
PRSS37	-2.80	8.31E-04	1.82E-03
RP1-134E15.3	-1.99	8.32E-04	1.82E-03
RP11-543B16.1	-3.87	8.32E-04	1.82E-03
LIN28A	-3.90	8.32E-04	1.82E-03
PTPN20A	-2.10	8.32E-04	1.82E-03
RN7SL225P	-4.42	8.32E-04	1.82E-03
KB-1208A12.3	-1.01	8.33E-04	1.82E-03
HMGB1P7	-3.92	8.34E-04	1.82E-03
CARD11	1.49	8.34E-04	1.82E-03
MKRN9P	-3.80	8.35E-04	1.82E-03
RP5-1065P14.3	-4.04	8.35E-04	1.82E-03
LILRA6	2.13	8.36E-04	1.82E-03
RP11-383I23.2	-3.20	8.36E-04	1.83E-03
AC010642.2	-3.66	8.37E-04	1.83E-03
RMST	-4.41	8.37E-04	1.83E-03
AC090420.1	-4.11	8.38E-04	1.83E-03
CTC-471J1.11	-2.81	8.39E-04	1.83E-03
FBXO38	-0.31	8.39E-04	1.83E-03
MED4-AS1	-3.62	8.39E-04	1.83E-03
RN7SL330P	-4.21	8.40E-04	1.83E-03
RFXAP	0.72	8.41E-04	1.84E-03
BTF3P6	-4.02	8.41E-04	1.84E-03
RP11-930O11.2	-4.10	8.42E-04	1.84E-03
RP11-250B2.5	-2.19	8.42E-04	1.84E-03
PLEKHM1	0.39	8.42E-04	1.84E-03
RP11-358D17.2	-1.50	8.42E-04	1.84E-03
HMGCS1	-1.37	8.43E-04	1.84E-03
SFXN4	0.58	8.44E-04	1.84E-03
RP11-292B8.1	-1.34	8.46E-04	1.84E-03
RP11-679C8.2	-1.84	8.46E-04	1.84E-03
SLFN11	1.34	8.48E-04	1.85E-03
FBXL8	0.77	8.48E-04	1.85E-03
BATF	1.37	8.49E-04	1.85E-03
ZNF300	-0.71	8.49E-04	1.85E-03
CTC-487M23.7	-1.60	8.49E-04	1.85E-03
TCEA1	-0.48	8.49E-04	1.85E-03
RP11-92K15.1	-3.91	8.49E-04	1.85E-03
FOXJ3	-0.34	8.49E-04	1.85E-03
RP11-96K19.5	-2.63	8.50E-04	1.85E-03

KLF8	-0.72	8.50E-04	1.85E-03
OR9L1P	-4.09	8.50E-04	1.85E-03
RP11-131K5.2	-4.02	8.50E-04	1.85E-03
URB1-AS1	0.84	8.51E-04	1.85E-03
RP11-131K5.1	-3.87	8.51E-04	1.85E-03
RP11-90M2.5	-3.00	8.51E-04	1.85E-03
RP11-428C19.4	-4.27	8.51E-04	1.86E-03
TRIL	1.30	8.52E-04	1.86E-03
RP11-697E14.2	-4.04	8.54E-04	1.86E-03
CTC-484P3.3	-3.99	8.54E-04	1.86E-03
ACOT2	1.13	8.54E-04	1.86E-03
CTD-2353F22.1	-3.18	8.55E-04	1.86E-03
G8227	-1.80	8.55E-04	1.86E-03
RP11-174G6.5	-1.16	8.56E-04	1.86E-03
RP5-1184F4.5	-3.27	8.56E-04	1.86E-03
AC130689.5	-4.19	8.56E-04	1.86E-03
RP11-459E5.1	-2.22	8.57E-04	1.87E-03
AC011239.1	-3.75	8.58E-04	1.87E-03
SNAP29	0.54	8.59E-04	1.87E-03
SLC22A13	-3.84	8.59E-04	1.87E-03
PATL2	-1.30	8.60E-04	1.87E-03
RNF13	-0.54	8.60E-04	1.87E-03
SULT1C4	1.30	8.62E-04	1.88E-03
SOCS5P4	-1.79	8.62E-04	1.88E-03
ATP6V1E1	0.54	8.62E-04	1.88E-03
ITPKA	1.88	8.63E-04	1.88E-03
CENPU	-0.89	8.64E-04	1.88E-03
IL10RB-AS1	1.82	8.64E-04	1.88E-03
RP11-222K16.2	2.60	8.65E-04	1.88E-03
FAM47E	-1.19	8.66E-04	1.88E-03
RP3-510L9.1	-3.40	8.66E-04	1.88E-03
RP11-363L24.3	-2.69	8.66E-04	1.88E-03
CNIH4	-0.37	8.66E-04	1.88E-03
RNVU1-15	-4.04	8.66E-04	1.88E-03
LDAH	-0.49	8.67E-04	1.89E-03
DKFZP434L187	-4.40	8.68E-04	1.89E-03
CCL28	0.82	8.70E-04	1.89E-03
LMNTD2	1.10	8.71E-04	1.89E-03
AC012066.1	-3.80	8.73E-04	1.90E-03
RN7SKP274	-4.07	8.77E-04	1.91E-03
SNIP1	-0.38	8.78E-04	1.91E-03
G30917	-3.30	8.79E-04	1.91E-03
G43342	-4.48	8.80E-04	1.91E-03
RP4-539M6.14	-4.97	8.81E-04	1.91E-03
RP11-6B6.3	-2.63	8.82E-04	1.92E-03

MIR125B2	-2.74	8.83E-04	1.92E-03
SAMM50P1	-4.03	8.83E-04	1.92E-03
RP11-500M8.4	-4.15	8.84E-04	1.92E-03
CTD-2216M2.1	-4.13	8.84E-04	1.92E-03
MTRNR2L1	-4.34	8.84E-04	1.92E-03
TTC33	-0.54	8.86E-04	1.92E-03
RNU6-874P	-4.13	8.86E-04	1.93E-03
TECRL	-4.51	8.87E-04	1.93E-03
OXNAD1	-0.43	8.89E-04	1.93E-03
SEPHS1P1	-2.68	8.90E-04	1.93E-03
DLGAP1	-1.08	8.90E-04	1.93E-03
RP11-376O6.2	-3.87	8.91E-04	1.93E-03
RNU7-124P	-4.30	8.93E-04	1.94E-03
E2F3-IT1	-4.01	8.93E-04	1.94E-03
RP11-342L8.2	-3.79	8.94E-04	1.94E-03
RP11-129I19.2	-2.40	8.95E-04	1.94E-03
RELT	0.87	8.95E-04	1.94E-03
ZNF669	-0.56	8.95E-04	1.94E-03
ZP1	-2.29	8.96E-04	1.95E-03
ZNF224	-0.55	8.97E-04	1.95E-03
RN7SL671P	-4.17	8.98E-04	1.95E-03
ZBTB47	0.80	8.98E-04	1.95E-03
MIR548K	-4.10	8.99E-04	1.95E-03
C14orf28	-0.58	8.99E-04	1.95E-03
RP11-61J19.4	1.22	9.00E-04	1.95E-03
IQCB1	-0.54	9.00E-04	1.95E-03
RP11-843P14.2	-3.36	9.00E-04	1.95E-03
RP11-89F17.5	-3.70	9.01E-04	1.95E-03
RP11-275I14.4	-0.86	9.02E-04	1.96E-03
XLOC_008618	-1.11	9.02E-04	1.96E-03
PATE4	-4.32	9.03E-04	1.96E-03
RP11-180O5.2	-3.07	9.04E-04	1.96E-03
FAM134C	-0.27	9.05E-04	1.96E-03
RP11-351O1.3	-4.47	9.05E-04	1.96E-03
SLC6A2	-1.65	9.05E-04	1.96E-03
RNU6-1	-2.36	9.06E-04	1.96E-03
MEX3C	-0.39	9.06E-04	1.96E-03
RP11-158M2.6	-3.78	9.07E-04	1.97E-03
RP11-589B3.6	-3.84	9.07E-04	1.97E-03
C11orf74	0.67	9.09E-04	1.97E-03
EMP3	1.09	9.10E-04	1.97E-03
RPL23AP36	-4.41	9.10E-04	1.97E-03
ABLIM1	-0.55	9.12E-04	1.98E-03
ANTXRLP1	-3.82	9.13E-04	1.98E-03
MIR4742	-4.33	9.13E-04	1.98E-03

ST6GALNAC3	1.15	9.14E-04	1.98E-03
AC079779.4	-4.04	9.15E-04	1.98E-03
RNU6-479P	-4.14	9.15E-04	1.98E-03
RP11-804H8.7	-3.77	9.15E-04	1.98E-03
ZNF576	0.48	9.15E-04	1.98E-03
COQ4	0.42	9.15E-04	1.98E-03
MEGF6	0.70	9.16E-04	1.98E-03
TUBGCP5	-0.35	9.16E-04	1.98E-03
RP11-454K7.3	-3.03	9.16E-04	1.98E-03
RSL24D1P8	-2.74	9.16E-04	1.98E-03
GZF1	-0.33	9.17E-04	1.98E-03
PKD2L1	3.34	9.17E-04	1.99E-03
VNN2	1.97	9.18E-04	1.99E-03
SNORA36B	-4.15	9.18E-04	1.99E-03
MTCO2P11	-3.85	9.18E-04	1.99E-03
RNU6-1301P	-4.16	9.18E-04	1.99E-03
CRY2	-0.65	9.18E-04	1.99E-03
RP11-92F20.1	-4.04	9.19E-04	1.99E-03
CTB-119C2.1	-1.72	9.19E-04	1.99E-03
CTD-2537I9.12	2.54	9.20E-04	1.99E-03
AC092635.1	-4.48	9.21E-04	1.99E-03
RP11-19E11.1	2.47	9.21E-04	1.99E-03
WHAMMP3	1.12	9.22E-04	1.99E-03
RP5-875H3.2	-3.93	9.23E-04	2.00E-03
RP11-18C24.8	-3.31	9.23E-04	2.00E-03
AC004381.6	-0.52	9.23E-04	2.00E-03
RP11-360I2.1	-3.94	9.23E-04	2.00E-03
TXNL1	0.35	9.24E-04	2.00E-03
ZC3H11B	-2.56	9.26E-04	2.00E-03
CTD-2114J12.1	-4.42	9.27E-04	2.01E-03
ENPP1	-1.23	9.28E-04	2.01E-03
ATP6V1C1	-0.37	9.29E-04	2.01E-03
LINC01010	1.05	9.29E-04	2.01E-03
RP11-319G6.3	-3.97	9.29E-04	2.01E-03
ETV3	-0.51	9.30E-04	2.01E-03
PLEKHA6	-1.08	9.30E-04	2.01E-03
MAPK8	-0.36	9.30E-04	2.01E-03
XLOC_011471	-4.29	9.31E-04	2.01E-03
RP11-147L13.14	-2.81	9.32E-04	2.01E-03
RNU6-1050P	-4.01	9.32E-04	2.01E-03
RP11-46H11.11	-1.54	9.33E-04	2.01E-03
RP11-408I18.9	-3.81	9.33E-04	2.02E-03
RP11-400L8.2	-1.62	9.33E-04	2.02E-03
SFXN5	0.53	9.33E-04	2.02E-03
RN7SL706P	-4.31	9.33E-04	2.02E-03

BCL10	-0.40	9.33E-04	2.02E-03
RP11-380I10.2	-3.98	9.34E-04	2.02E-03
AP000302.58	-3.79	9.35E-04	2.02E-03
MIR3126	-4.09	9.36E-04	2.02E-03
RP11-384C4.7	-3.12	9.37E-04	2.02E-03
IFIT1B	-4.07	9.39E-04	2.03E-03
MIR2278	-4.55	9.40E-04	2.03E-03
RP11-803P9.1	-1.94	9.44E-04	2.04E-03
RP11-689B22.2	-2.80	9.44E-04	2.04E-03
NFIL3	0.86	9.44E-04	2.04E-03
PPIAP11	-1.93	9.44E-04	2.04E-03
PDK2	0.60	9.44E-04	2.04E-03
PTGES2-AS1	-2.48	9.44E-04	2.04E-03
RP11-29H23.7	-2.74	9.45E-04	2.04E-03
CCT3	0.52	9.46E-04	2.04E-03
NLRP12	2.46	9.46E-04	2.04E-03
RP11-312B8.2	-3.93	9.47E-04	2.04E-03
XLOC_003662	-3.34	9.47E-04	2.04E-03
AC138965.1	-4.20	9.48E-04	2.04E-03
ORC5	-0.38	9.48E-04	2.05E-03
G29811	-2.50	9.49E-04	2.05E-03
RP11-416A17.1	-3.99	9.49E-04	2.05E-03
RP11-983P16.2	-1.37	9.50E-04	2.05E-03
MACROD2-IT1	-3.67	9.50E-04	2.05E-03
REC8	1.12	9.51E-04	2.05E-03
LAMP3	-0.94	9.52E-04	2.05E-03
UBE2Q2	0.47	9.52E-04	2.05E-03
AC018463.4	-3.80	9.53E-04	2.05E-03
HLA-DQB1	-2.89	9.53E-04	2.06E-03
ANKRD44-IT1	-2.15	9.56E-04	2.06E-03
RNA5SP256	-4.19	9.56E-04	2.06E-03
CTD-2560C21.1	-4.14	9.57E-04	2.06E-03
RP11-503P10.1	-2.62	9.58E-04	2.06E-03
AC017083.2	-3.88	9.58E-04	2.06E-03
BCAR3	-0.74	9.58E-04	2.06E-03
ARID1B	-0.38	9.59E-04	2.07E-03
RP13-270P17.1	-2.02	9.59E-04	2.07E-03
MVK	0.76	9.59E-04	2.07E-03
MIR4766	-3.95	9.60E-04	2.07E-03
RP11-47F1.1	-4.45	9.60E-04	2.07E-03
RP11-416A14.1	-4.09	9.61E-04	2.07E-03
LRRC15	2.57	9.62E-04	2.07E-03
KCNK15	1.41	9.62E-04	2.07E-03
AP000487.4	-3.97	9.62E-04	2.07E-03
CTC-518B2.9	-3.96	9.63E-04	2.07E-03

RP11-90E5.1	-4.03	9.63E-04	2.07E-03
HLA-L	-1.45	9.64E-04	2.08E-03
AC105316.1	-4.09	9.64E-04	2.08E-03
RN7SL328P	-2.43	9.65E-04	2.08E-03
SGOL1-AS1	-1.78	9.66E-04	2.08E-03
MIR623	-2.42	9.66E-04	2.08E-03
CDC42BPB	0.29	9.66E-04	2.08E-03
RP11-582J16.4	-0.83	9.66E-04	2.08E-03
RPS20P15	-3.96	9.67E-04	2.08E-03
WDR31	-0.56	9.67E-04	2.08E-03
HOXB2	1.44	9.68E-04	2.08E-03
DUOX2	0.98	9.69E-04	2.08E-03
RN7SL532P	-3.84	9.70E-04	2.09E-03
CXCL9	3.25	9.71E-04	2.09E-03
RP11-545M17.2	-4.02	9.72E-04	2.09E-03
LDLR	0.90	9.72E-04	2.09E-03
RNU6-8	-2.07	9.73E-04	2.09E-03
RP11-114F10.3	-1.42	9.73E-04	2.09E-03
RP11-462G22.2	-3.30	9.73E-04	2.09E-03
EXOSC3P1	-2.12	9.74E-04	2.09E-03
ZBTB16	-1.53	9.75E-04	2.10E-03
snR65	-4.10	9.75E-04	2.10E-03
WNT10A	-0.90	9.75E-04	2.10E-03
RP11-434H6.7	-1.21	9.75E-04	2.10E-03
RP11-255A11.4	-4.06	9.75E-04	2.10E-03
APOA1-AS	-3.85	9.77E-04	2.10E-03
MIR1972-1	-4.07	9.77E-04	2.10E-03
RPL26P35	-3.71	9.77E-04	2.10E-03
OLAH	-4.45	9.79E-04	2.10E-03
RNU6-151P	-3.93	9.81E-04	2.11E-03
RN7SL566P	-3.94	9.82E-04	2.11E-03
RP1-68D18.3	-4.07	9.82E-04	2.11E-03
IRX1	1.07	9.83E-04	2.11E-03
FAM105A	-0.70	9.83E-04	2.11E-03
SNORD119	-3.67	9.83E-04	2.11E-03
RP4-796I17.5	-3.95	9.85E-04	2.12E-03
RP11-612J15.1	-4.19	9.85E-04	2.12E-03
RNU6-720P	-3.62	9.86E-04	2.12E-03
SERAC1	-0.44	9.86E-04	2.12E-03
MUT	-0.49	9.86E-04	2.12E-03
CDK2AP2P2	2.69	9.87E-04	2.12E-03
RP5-827C21.2	-4.13	9.87E-04	2.12E-03
MIR1256	-4.14	9.87E-04	2.12E-03
RBM19	0.39	9.89E-04	2.12E-03
RP11-487E1.2	-4.13	9.89E-04	2.12E-03

INPP5J	1.08	9.90E-04	2.12E-03
RP11-260E18.1	-3.84	9.90E-04	2.13E-03
PIP4K2C	0.43	9.90E-04	2.13E-03
CTD-2256P15.4	-3.62	9.91E-04	2.13E-03
SUMO4	-1.78	9.91E-04	2.13E-03
RP11-195C7.3	-3.86	9.91E-04	2.13E-03
TVP23CP2	-3.93	9.92E-04	2.13E-03
ISPD-AS1	-2.50	9.93E-04	2.13E-03
AF131215.9	-0.84	9.93E-04	2.13E-03
RPS4XP22	-2.37	9.93E-04	2.13E-03
SLC7A14	-3.04	9.94E-04	2.13E-03
WDR82	0.32	9.94E-04	2.13E-03
ERV3-1	-1.52	9.95E-04	2.13E-03
ATG13	0.40	9.95E-04	2.13E-03
HAS1	-1.59	9.96E-04	2.14E-03
PTPN2P2	-4.09	9.96E-04	2.14E-03
AC007875.2	-4.47	9.97E-04	2.14E-03
NUS1P1	1.76	9.97E-04	2.14E-03
RP11-506B6.6	-1.81	9.98E-04	2.14E-03
SLC4A8	1.88	9.99E-04	2.14E-03
RNU6-315P	-3.74	1.00E-03	2.14E-03
FAXC	1.71	1.00E-03	2.14E-03
RP11-907D1.3	-4.12	1.00E-03	2.15E-03
RTFDC1	0.41	1.00E-03	2.15E-03
AC007161.5	-2.75	1.00E-03	2.15E-03
AC090286.2	-3.87	1.00E-03	2.15E-03
PUS3	0.47	1.00E-03	2.15E-03
FAM168B	0.28	1.00E-03	2.15E-03
TRPM2	1.24	1.00E-03	2.15E-03
N4BP3	0.45	1.00E-03	2.15E-03
RP11-45A17.3	-1.37	1.00E-03	2.15E-03
BRSK1	2.07	1.01E-03	2.15E-03
CTD-2540F13.2	1.78	1.01E-03	2.15E-03
RP11-259N19.1	1.33	1.01E-03	2.15E-03
GK-AS1	-2.34	1.01E-03	2.15E-03
SCNN1B	0.82	1.01E-03	2.16E-03
QRFP	-1.27	1.01E-03	2.16E-03
SOCS2-AS1	1.47	1.01E-03	2.16E-03
RP11-844G16.3	-4.12	1.01E-03	2.16E-03
BTN3A2	0.93	1.01E-03	2.16E-03
RPL12P24	-4.05	1.01E-03	2.17E-03
MIR339	3.14	1.01E-03	2.17E-03
CTC-471J1.2	-0.78	1.01E-03	2.17E-03
RP11-20G13.3	-3.75	1.01E-03	2.17E-03
RP11-394B2.6	-3.94	1.02E-03	2.17E-03

AC007557.3	-3.92	1.02E-03	2.18E-03
AC109992.1	-4.22	1.02E-03	2.18E-03
VNN1	1.64	1.02E-03	2.18E-03
MRPS9	-0.47	1.02E-03	2.18E-03
BLID	-4.03	1.02E-03	2.18E-03
GAPT	-1.12	1.02E-03	2.18E-03
RP11-383C5.3	-3.65	1.02E-03	2.18E-03
RP11-477G18.2	-3.38	1.02E-03	2.19E-03
ASTL	-1.48	1.02E-03	2.19E-03
MAGI2	0.67	1.02E-03	2.19E-03
ZBTB40-IT1	-3.10	1.03E-03	2.19E-03
EEF1A1P9	-1.50	1.03E-03	2.19E-03
RPL3P4	0.76	1.03E-03	2.19E-03
AL161645.1	-2.90	1.03E-03	2.20E-03
OR7E94P	-2.56	1.03E-03	2.20E-03
ARID1A	0.53	1.03E-03	2.20E-03
CASP5	2.99	1.03E-03	2.20E-03
G36170	-1.78	1.03E-03	2.21E-03
PLEKHB1	1.79	1.04E-03	2.21E-03
RP6-149D17.1	-3.90	1.04E-03	2.22E-03
PUM3	-0.41	1.04E-03	2.22E-03
CTD-2062A1.2	-3.23	1.04E-03	2.22E-03
G34279	-4.32	1.04E-03	2.22E-03
YRDC	0.53	1.04E-03	2.22E-03
THNSL1	-0.66	1.04E-03	2.22E-03
CTC-232P5.3	-3.36	1.04E-03	2.22E-03
RP11-82L18.2	-1.32	1.04E-03	2.22E-03
RNU6-202P	-4.10	1.04E-03	2.23E-03
SIM2	-1.44	1.04E-03	2.23E-03
RP11-435O5.4	-3.78	1.04E-03	2.23E-03
RGS13	-1.66	1.04E-03	2.23E-03
NPIPB11	1.33	1.05E-03	2.23E-03
GTF2IP14	-1.42	1.05E-03	2.24E-03
MIR580	-4.06	1.05E-03	2.24E-03
STS	-0.90	1.05E-03	2.24E-03
RP5-875O13.1	-3.94	1.05E-03	2.24E-03
CUZD1	-1.09	1.05E-03	2.24E-03
AP000563.2	-4.11	1.05E-03	2.24E-03
RNF223	1.03	1.05E-03	2.24E-03
RP11-3K24.2	-3.92	1.05E-03	2.25E-03
ARRDC1-AS1	0.75	1.05E-03	2.25E-03
CTB-131B5.5	-1.61	1.05E-03	2.25E-03
PARVG	1.42	1.05E-03	2.25E-03
RP11-100N20.1	-4.58	1.05E-03	2.25E-03
GXYLT1P4	-4.14	1.05E-03	2.25E-03

RP11-802F5.1	-3.89	1.06E-03	2.25E-03
RP11-188D8.1	-2.51	1.06E-03	2.25E-03
ANKRD20A3	-3.66	1.06E-03	2.25E-03
ZNF625	-2.06	1.06E-03	2.25E-03
NAV2-IT1	-4.17	1.06E-03	2.26E-03
THNSL2	1.38	1.06E-03	2.26E-03
LINC00272	-3.95	1.06E-03	2.26E-03
CPEB3_ribozyme	-3.92	1.06E-03	2.26E-03
RN7SL127P	-3.17	1.06E-03	2.26E-03
PPIAP10	-4.10	1.06E-03	2.27E-03
ST8SIA6	-0.89	1.06E-03	2.27E-03
C3orf62	0.53	1.07E-03	2.27E-03
RNU6-314P	-4.32	1.07E-03	2.27E-03
PABPC5-AS1	-4.03	1.07E-03	2.27E-03
UBE2Q2P1	0.93	1.07E-03	2.27E-03
EXOSC6	-0.50	1.07E-03	2.27E-03
ECE2	0.74	1.07E-03	2.28E-03
PAWR	-0.50	1.07E-03	2.28E-03
FBXO42	-0.39	1.07E-03	2.28E-03
CTA-268H5.12	-2.62	1.07E-03	2.29E-03
XXbac-B476C20.13	-2.64	1.08E-03	2.29E-03
SELPLG	1.32	1.08E-03	2.29E-03
CSDC2	1.58	1.08E-03	2.30E-03
ENTPD1	0.74	1.08E-03	2.30E-03
RP11-863P13.5	-1.86	1.08E-03	2.30E-03
PTPRM	0.73	1.08E-03	2.30E-03
RP11-476I15.5	-4.00	1.08E-03	2.30E-03
RP11-53B2.5	-3.64	1.08E-03	2.30E-03
AC004159.1	-4.01	1.08E-03	2.30E-03
GS1-251I9.3	-4.36	1.08E-03	2.30E-03
RP11-147L13.11	0.49	1.08E-03	2.30E-03
ENTPD5	-0.40	1.08E-03	2.30E-03
RP11-546K22.1	-2.58	1.08E-03	2.30E-03
GALNTL6	-1.27	1.08E-03	2.31E-03
SPRY2	0.48	1.08E-03	2.31E-03
CTD-2562G15.2	-3.76	1.08E-03	2.31E-03
MIR2909	-4.09	1.09E-03	2.31E-03
SETP17	-3.68	1.09E-03	2.31E-03
RP11-893F2.14	-4.02	1.09E-03	2.31E-03
TCERG1	-0.44	1.09E-03	2.31E-03
G42447	-3.77	1.09E-03	2.31E-03
C8orf37	-0.64	1.09E-03	2.31E-03
PRICKLE2-AS2	-3.94	1.09E-03	2.31E-03
RP5-1000K24.2	-0.78	1.09E-03	2.31E-03
HS3ST6	-0.94	1.09E-03	2.31E-03

HNRNPCP2	1.03	1.09E-03	2.31E-03
RP11-640N11.2	-3.94	1.09E-03	2.31E-03
TCEB1P33	-2.90	1.09E-03	2.31E-03
RP11-275I4.1	-3.20	1.09E-03	2.31E-03
G42437	-4.83	1.09E-03	2.31E-03
EIF4G2	0.36	1.09E-03	2.32E-03
CTC-490G23.2	4.54	1.09E-03	2.32E-03
CLIP1	-0.47	1.09E-03	2.32E-03
ACAT1	-0.55	1.09E-03	2.32E-03
LINC00426	-1.21	1.09E-03	2.32E-03
MIR620	-4.41	1.09E-03	2.32E-03
CPEB2-AS1	-1.24	1.09E-03	2.32E-03
PRMT5-AS1	-2.53	1.10E-03	2.33E-03
RN7SL482P	-4.02	1.10E-03	2.34E-03
SUPT16H	-0.37	1.10E-03	2.34E-03
DUTP1	-2.73	1.10E-03	2.34E-03
KRBA2	-0.89	1.10E-03	2.34E-03
RNU6-1285P	-3.86	1.10E-03	2.34E-03
HCAR1	-1.75	1.10E-03	2.34E-03
GLYCTK-AS1	-2.03	1.10E-03	2.35E-03
AL136419.6	1.41	1.10E-03	2.35E-03
RP11-560A15.6	-4.32	1.10E-03	2.35E-03
RP11-24B13.1	-4.37	1.10E-03	2.35E-03
RP11-1113L8.1	-4.11	1.11E-03	2.35E-03
XDH	0.99	1.11E-03	2.35E-03
THEM5	0.92	1.11E-03	2.35E-03
SPATA12	-1.39	1.11E-03	2.35E-03
AC024569.1	-3.85	1.11E-03	2.35E-03
RP11-715F3.2	-1.95	1.11E-03	2.35E-03
AC013410.2	-3.69	1.11E-03	2.35E-03
HSD3BP3	-4.21	1.11E-03	2.35E-03
RP11-271K11.5	-1.78	1.11E-03	2.36E-03
RP11-76C10.3	-4.38	1.11E-03	2.36E-03
ZNF174	0.48	1.11E-03	2.36E-03
KANSL1-AS1	-1.63	1.12E-03	2.37E-03
SMS	0.51	1.12E-03	2.37E-03
ZBTB20-AS2	-4.14	1.12E-03	2.37E-03
NGEF	-0.64	1.12E-03	2.37E-03
RP11-85G20.2	-4.18	1.12E-03	2.37E-03
RP11-611O2.6	-2.94	1.12E-03	2.37E-03
TSHZ1	0.36	1.12E-03	2.38E-03
RP11-319G9.5	-2.73	1.12E-03	2.38E-03
HAUS4	-0.59	1.12E-03	2.38E-03
EDC3	0.50	1.12E-03	2.38E-03
GPER1	0.83	1.12E-03	2.38E-03

RP11-90P5.5	-4.02	1.12E-03	2.38E-03
LINC01139	1.69	1.12E-03	2.38E-03
OR7E12P	2.54	1.12E-03	2.39E-03
FAM216A	-0.64	1.12E-03	2.39E-03
RP11-53I6.4	-1.57	1.13E-03	2.39E-03
RP11-46A10.8	-2.34	1.13E-03	2.39E-03
AC096732.2	-4.18	1.13E-03	2.40E-03
CBX3	0.50	1.13E-03	2.40E-03
BANF1P4	-3.91	1.13E-03	2.40E-03
PAGR1	0.76	1.13E-03	2.40E-03
RP11-864J10.2	-3.91	1.13E-03	2.40E-03
PARM1	0.90	1.13E-03	2.40E-03
RP11-406H21.2	-3.89	1.13E-03	2.40E-03
CDK17	-0.34	1.13E-03	2.40E-03
SERBP1P6	-1.91	1.14E-03	2.41E-03
TONSL	0.58	1.14E-03	2.41E-03
CCDC157	1.05	1.14E-03	2.41E-03
SLC1A6	-1.03	1.14E-03	2.41E-03
S1PR4	1.47	1.14E-03	2.41E-03
SNORD7	-2.67	1.14E-03	2.42E-03
MROH6	0.65	1.14E-03	2.42E-03
KRT13	1.90	1.14E-03	2.42E-03
RP11-138P22.1	-3.94	1.14E-03	2.42E-03
TIMM8A	-0.60	1.14E-03	2.42E-03
RP11-2K6.2	-3.97	1.15E-03	2.42E-03
FABP5P5	-4.05	1.15E-03	2.43E-03
UTP23	-0.43	1.15E-03	2.43E-03
LRRC8D	0.44	1.15E-03	2.43E-03
MYO19	-0.49	1.15E-03	2.43E-03
ZNF766	-0.44	1.15E-03	2.43E-03
MFHAS1	0.57	1.15E-03	2.43E-03
PLAGL2	0.61	1.15E-03	2.43E-03
C10orf25	1.34	1.15E-03	2.44E-03
RP11-12J10.4	-2.19	1.15E-03	2.44E-03
RNU7-113P	-4.05	1.15E-03	2.44E-03
JAG1	0.34	1.15E-03	2.44E-03
TTC23L	-1.29	1.16E-03	2.44E-03
RP11-313J2.1	-1.42	1.16E-03	2.45E-03
ABCA8	-1.23	1.16E-03	2.45E-03
DDHD1	-0.68	1.16E-03	2.45E-03
AC092291.2	-4.18	1.16E-03	2.45E-03
LINC01006	0.86	1.16E-03	2.45E-03
MTND6P5	-3.98	1.16E-03	2.46E-03
GTF2IP9	-2.34	1.16E-03	2.46E-03
PLAC1	-2.42	1.16E-03	2.46E-03

RP11-119F7.3	-4.05	1.16E-03	2.46E-03
AC004112.4	-1.73	1.16E-03	2.46E-03
GRHL2	-0.49	1.16E-03	2.46E-03
CTD-2313J17.1	-3.71	1.16E-03	2.46E-03
RP1-253P7.4	-1.46	1.16E-03	2.46E-03
EDA2R	1.23	1.17E-03	2.47E-03
RP11-5C23.2	-1.58	1.17E-03	2.47E-03
UVSSA	-0.75	1.17E-03	2.47E-03
SNORD121A	-4.03	1.17E-03	2.47E-03
IQCK	0.65	1.17E-03	2.47E-03
IL5	-3.81	1.17E-03	2.47E-03
RP11-419I17.1	-3.51	1.17E-03	2.47E-03
MASP1	1.24	1.17E-03	2.47E-03
EPB41L4A-AS1	0.48	1.17E-03	2.48E-03
C8G	1.75	1.17E-03	2.48E-03
C1orf174	0.35	1.17E-03	2.48E-03
RP11-382A20.5	-4.29	1.17E-03	2.48E-03
SNORA27	-4.20	1.17E-03	2.48E-03
RP11-171I2.2	-2.65	1.17E-03	2.48E-03
SMC2	-0.42	1.17E-03	2.48E-03
IMPAD1	-0.47	1.17E-03	2.48E-03
MRPS10P1	-4.06	1.18E-03	2.48E-03
ITGB7	-0.79	1.18E-03	2.48E-03
RSU1P2	-4.10	1.18E-03	2.48E-03
AL049647.1	-3.91	1.18E-03	2.48E-03
RNU6-998P	-3.68	1.18E-03	2.49E-03
LAMC3	1.32	1.18E-03	2.49E-03
SYAP1	-0.44	1.18E-03	2.49E-03
RP11-338K17.10	-1.93	1.18E-03	2.49E-03
EIF4EBP1P1	-3.80	1.18E-03	2.49E-03
RP11-1085N6.2	-2.74	1.18E-03	2.49E-03
RNU6ATAC24P	-3.67	1.18E-03	2.49E-03
RP11-434D12.1	-1.27	1.18E-03	2.49E-03
RP11-184M15.1	2.09	1.18E-03	2.50E-03
KRT7	2.68	1.18E-03	2.50E-03
EPX	-1.38	1.19E-03	2.50E-03
STAG3L1	1.21	1.19E-03	2.50E-03
RN7SKP40	-3.88	1.19E-03	2.50E-03
CTD-3018O17.6	-4.16	1.19E-03	2.51E-03
UBR5-AS1	-0.77	1.19E-03	2.51E-03
TES	0.34	1.19E-03	2.51E-03
RP11-81M19.3	1.67	1.19E-03	2.51E-03
PRR26	-1.50	1.19E-03	2.52E-03
ERICH3	-4.00	1.20E-03	2.52E-03
RP11-632P5.1	-1.64	1.20E-03	2.52E-03

POU1F1	-3.75	1.20E-03	2.52E-03
RP13-638C3.2	-3.03	1.20E-03	2.52E-03
OR52W1	-3.85	1.20E-03	2.52E-03
DFFB	0.88	1.20E-03	2.52E-03
LACTB	0.41	1.20E-03	2.52E-03
RPL17P40	-4.00	1.20E-03	2.53E-03
G2136	-2.17	1.20E-03	2.53E-03
SNORD116-2	-3.79	1.20E-03	2.53E-03
ARHGAP23	0.55	1.20E-03	2.54E-03
PRKRIR	-0.42	1.21E-03	2.54E-03
RP4-704D21.2	-4.02	1.21E-03	2.54E-03
RP5-867C24.5	-2.62	1.21E-03	2.54E-03
UGP2	0.32	1.21E-03	2.55E-03
RP11-319G6.1	-0.72	1.21E-03	2.55E-03
KCNMA1-AS1	-2.97	1.21E-03	2.55E-03
TRBV29OR9-2	-3.23	1.21E-03	2.55E-03
RBBP8P1	-4.00	1.21E-03	2.55E-03
C2CD4B	1.40	1.21E-03	2.55E-03
KB-1930G5.4	-2.09	1.21E-03	2.55E-03
CTD-2012J19.1	-3.71	1.21E-03	2.55E-03
LACE1	-0.52	1.21E-03	2.55E-03
YAP1	-0.25	1.21E-03	2.55E-03
RNU6-787P	-3.73	1.21E-03	2.55E-03
GCH1	-0.60	1.21E-03	2.56E-03
AP006621.5	0.75	1.21E-03	2.56E-03
RP11-104N10.1	-1.51	1.22E-03	2.56E-03
SMG6	0.37	1.22E-03	2.56E-03
SMC1B	-1.61	1.22E-03	2.56E-03
OR5C1	-4.01	1.22E-03	2.56E-03
GPR173	1.17	1.22E-03	2.56E-03
CCDC152	-0.81	1.22E-03	2.57E-03
CD200R1	-1.40	1.22E-03	2.57E-03
CHRNA2	-2.06	1.22E-03	2.57E-03
RNU6ATAC12P	-3.97	1.22E-03	2.57E-03
RP3-348I23.2	-3.62	1.22E-03	2.57E-03
XLOC_013463	-4.36	1.22E-03	2.58E-03
DDX11L9	-3.75	1.23E-03	2.58E-03
G1997	-1.34	1.23E-03	2.58E-03
IFT22	0.63	1.23E-03	2.58E-03
FRAT1	0.65	1.23E-03	2.59E-03
RNU6-82P	-2.76	1.23E-03	2.59E-03
RP11-763F8.1	-4.19	1.23E-03	2.59E-03
RP5-1142A6.10	-1.63	1.23E-03	2.59E-03
FAM200B	-0.41	1.24E-03	2.60E-03
TCFL5	0.30	1.24E-03	2.60E-03

RP11-368P15.2	-3.50	1.24E-03	2.60E-03
RP5-966M1.7	-1.95	1.24E-03	2.60E-03
NXPE4	-4.00	1.25E-03	2.62E-03
RN7SL206P	-3.95	1.25E-03	2.62E-03
SLC37A2	0.99	1.25E-03	2.62E-03
TTC26	-0.48	1.25E-03	2.62E-03
LRRC2	-1.12	1.25E-03	2.62E-03
G10656	1.44	1.25E-03	2.62E-03
OTOF	-2.19	1.25E-03	2.62E-03
FNDC5	-1.52	1.25E-03	2.63E-03
C19orf52	0.40	1.25E-03	2.63E-03
MMAB	0.52	1.25E-03	2.63E-03
DNAH2	-1.40	1.25E-03	2.63E-03
RPS2P55	-3.93	1.25E-03	2.63E-03
MIR4787	2.37	1.25E-03	2.63E-03
MIR3193	-4.03	1.25E-03	2.63E-03
STRIP2	1.10	1.25E-03	2.63E-03
C9orf47	-1.75	1.26E-03	2.64E-03
RP5-966M1.4	-3.95	1.26E-03	2.64E-03
RP11-102N12.3	1.51	1.26E-03	2.64E-03
RP11-83A24.2	-0.71	1.26E-03	2.64E-03
RP11-285A1.1	-2.63	1.26E-03	2.65E-03
RPS7P15	-3.90	1.26E-03	2.65E-03
TEX10	-0.30	1.26E-03	2.65E-03
IL5RA	-1.79	1.26E-03	2.65E-03
SEPHS1	0.33	1.26E-03	2.65E-03
DCTN1-AS1	-2.35	1.26E-03	2.65E-03
RP11-190D6.2	-3.99	1.27E-03	2.66E-03
EIF4G1	0.39	1.27E-03	2.66E-03
CTD-3222D19.9	-1.65	1.27E-03	2.66E-03
RP11-506H20.1	-1.76	1.27E-03	2.66E-03
BBS2	-0.41	1.27E-03	2.67E-03
RP4-620E11.8	-1.21	1.27E-03	2.67E-03
CTD-2623N2.11	-3.78	1.27E-03	2.67E-03
USP27X	0.43	1.27E-03	2.67E-03
SLC41A2	-1.17	1.27E-03	2.67E-03
RNU7-96P	-4.01	1.27E-03	2.67E-03
ZNF276	0.72	1.28E-03	2.67E-03
G40864	-2.65	1.28E-03	2.67E-03
MPO	4.02	1.28E-03	2.68E-03
DBF4B	1.01	1.28E-03	2.68E-03
HABP2	4.25	1.28E-03	2.68E-03
G10181	-1.07	1.28E-03	2.68E-03
PPP2R2A	0.41	1.28E-03	2.68E-03
RP11-519G16.5	-1.61	1.28E-03	2.68E-03

ACRBP	1.52	1.28E-03	2.68E-03
CTD-2184D3.1	-4.16	1.28E-03	2.68E-03
XLOC_003378	1.63	1.28E-03	2.68E-03
CTB-133G6.1	-2.45	1.28E-03	2.68E-03
RNU7-107P	-4.14	1.28E-03	2.68E-03
APOBEC4	-3.15	1.28E-03	2.68E-03
AC009948.5	-0.67	1.28E-03	2.69E-03
CDC42BPA	-0.45	1.28E-03	2.69E-03
ATF2	-0.42	1.28E-03	2.69E-03
ZBTB18	-0.41	1.28E-03	2.69E-03
GAPDHP62	-3.80	1.28E-03	2.69E-03
TIAF1	-1.16	1.28E-03	2.69E-03
RP11-77H9.8	-3.55	1.28E-03	2.69E-03
SH2D4A	0.69	1.28E-03	2.69E-03
LRCH4	0.73	1.29E-03	2.69E-03
ZFHX4-AS1	4.05	1.29E-03	2.70E-03
RP11-312P12.3	-3.97	1.29E-03	2.70E-03
ZNF165	-0.77	1.29E-03	2.70E-03
RP5-907D15.4	4.34	1.29E-03	2.70E-03
CTB-189B5.3	-3.37	1.29E-03	2.70E-03
RP11-647O20.1	-3.69	1.29E-03	2.70E-03
RP11-147L13.7	-2.21	1.29E-03	2.70E-03
IDI2	-4.16	1.29E-03	2.71E-03
MIR125B1	-4.01	1.30E-03	2.71E-03
RP11-305E17.4	-3.83	1.30E-03	2.71E-03
KCNA4	-2.37	1.30E-03	2.71E-03
CFL1P3	-3.98	1.30E-03	2.72E-03
CTC-303L1.1	-2.59	1.30E-03	2.72E-03
HNRNPC	0.42	1.30E-03	2.72E-03
RPL5P13	-4.20	1.30E-03	2.73E-03
MAP6	1.19	1.30E-03	2.73E-03
RP11-576C2.1	-2.95	1.30E-03	2.73E-03
TMEM254-AS1	-0.78	1.30E-03	2.73E-03
AP000266.7	-3.21	1.30E-03	2.73E-03
RP11-231L11.3	-1.97	1.30E-03	2.73E-03
RP11-75C10.6	-1.89	1.31E-03	2.73E-03
RP11-243J18.2	-3.76	1.31E-03	2.73E-03
EIF1P7	-3.96	1.31E-03	2.73E-03
SC22CB-1D7.1	-3.84	1.31E-03	2.73E-03
JPH2	1.12	1.31E-03	2.73E-03
RP11-197N18.8	-1.57	1.31E-03	2.74E-03
ANKRD13A	-0.41	1.31E-03	2.74E-03
RP11-406A9.2	-4.28	1.31E-03	2.74E-03
KCNJ2-AS1	0.88	1.31E-03	2.75E-03
POMGNT2	0.40	1.31E-03	2.75E-03

SNORA62	-3.56	1.32E-03	2.75E-03
RP11-506O24.2	-2.29	1.32E-03	2.75E-03
VASH2	-0.97	1.32E-03	2.75E-03
DXO	0.64	1.32E-03	2.76E-03
NLGN1-AS1	-4.39	1.32E-03	2.76E-03
EBLN2	-1.07	1.32E-03	2.76E-03
CTB-139P11.2	-3.57	1.32E-03	2.76E-03
RP5-892K4.1	-3.57	1.33E-03	2.77E-03
RP11-753H16.5	-2.49	1.33E-03	2.77E-03
RP11-756J15.2	-3.67	1.33E-03	2.77E-03
RP11-798G7.6	-2.23	1.33E-03	2.77E-03
RNU6-435P	-4.16	1.33E-03	2.77E-03
RP11-486G15.1	-4.06	1.33E-03	2.77E-03
NVL	-0.39	1.33E-03	2.77E-03
VEPH1	-0.87	1.33E-03	2.77E-03
EXO1	-0.69	1.33E-03	2.77E-03
CT45A11P	-3.81	1.33E-03	2.77E-03
PMP2	-2.36	1.33E-03	2.78E-03
RNU6-766P	-4.05	1.33E-03	2.78E-03
PTPN1	0.31	1.34E-03	2.79E-03
RP11-758N13.3	-3.72	1.34E-03	2.79E-03
LINC01058	-1.67	1.34E-03	2.79E-03
MIR3162	-3.95	1.34E-03	2.79E-03
PTGES3P2	-2.85	1.34E-03	2.80E-03
RP11-3D4.4	-3.47	1.34E-03	2.80E-03
GPR141	-1.53	1.34E-03	2.80E-03
SREBF2	0.51	1.34E-03	2.80E-03
SMIM10L2B	0.57	1.35E-03	2.81E-03
EN2	1.97	1.35E-03	2.81E-03
CKMT2-AS1	0.50	1.35E-03	2.81E-03
TMTC2	-0.43	1.35E-03	2.81E-03
RP11-420K14.1	-4.76	1.35E-03	2.81E-03
OR9I3P	-4.23	1.35E-03	2.81E-03
RN7SL166P	-3.45	1.35E-03	2.82E-03
RP11-530C5.1	-3.14	1.35E-03	2.82E-03
ACA59	-3.13	1.35E-03	2.82E-03
ASAH1	-0.49	1.35E-03	2.82E-03
CKS1B	0.61	1.35E-03	2.82E-03
XLOC_012881	4.39	1.35E-03	2.82E-03
SLC6A11	0.97	1.35E-03	2.82E-03
EXT2	0.42	1.35E-03	2.82E-03
RP5-1110E20.1	-3.81	1.35E-03	2.82E-03
KB-1410C5.1	-3.59	1.35E-03	2.82E-03
KCNIP4-IT1	-4.82	1.36E-03	2.83E-03
RP11-352M15.2	-0.41	1.36E-03	2.83E-03

RP5-1100H13.3	-4.08	1.36E-03	2.83E-03
CCDC121	-0.64	1.36E-03	2.83E-03
RP11-120M18.2	-1.77	1.36E-03	2.83E-03
RP11-79N23.1	-1.55	1.36E-03	2.84E-03
RP11-91I20.4	-2.82	1.36E-03	2.84E-03
MIR301A	-4.22	1.36E-03	2.84E-03
RP11-74M13.4	-2.89	1.36E-03	2.84E-03
ZNF214	-0.89	1.36E-03	2.84E-03
TAPT1-AS1	-1.09	1.36E-03	2.84E-03
CTD-2033D15.2	2.59	1.36E-03	2.84E-03
BLOC1S5	-0.35	1.37E-03	2.85E-03
BAZ2A	0.45	1.37E-03	2.85E-03
TECPR2	0.38	1.37E-03	2.85E-03
EPRS	-0.45	1.37E-03	2.85E-03
HDAC6	0.39	1.37E-03	2.85E-03
RPUSD4	0.29	1.37E-03	2.85E-03
MCTP1	0.72	1.37E-03	2.85E-03
MYBL1	-0.64	1.37E-03	2.85E-03
CHN2	-0.80	1.37E-03	2.85E-03
CYBB	1.45	1.37E-03	2.86E-03
CTD-3064H18.4	-1.85	1.38E-03	2.86E-03
RNU5B-3P	-3.71	1.38E-03	2.86E-03
CTB-184G21.3	-3.16	1.38E-03	2.86E-03
RP11-154J22.1	-1.64	1.38E-03	2.87E-03
RP11-91A18.4	-3.54	1.38E-03	2.87E-03
AZIN1-AS1	-0.91	1.38E-03	2.87E-03
C14orf105	-3.16	1.38E-03	2.87E-03
SPRR3	9.08	1.38E-03	2.87E-03
GAPDHP46	-4.08	1.38E-03	2.87E-03
RP13-488H8.1	-4.11	1.38E-03	2.87E-03
AC020629.1	-3.86	1.38E-03	2.87E-03
CD38	2.07	1.38E-03	2.87E-03
WIPF1	1.07	1.38E-03	2.87E-03
RP11-378J18.8	-0.82	1.38E-03	2.87E-03
ZNF774	-1.16	1.38E-03	2.88E-03
RP4-616B8.6	-3.95	1.39E-03	2.88E-03
RP11-767N6.7	-0.68	1.39E-03	2.88E-03
CTD-2026K11.6	-1.39	1.39E-03	2.89E-03
XLOC_005448	-3.46	1.39E-03	2.89E-03
RPL21P28	1.16	1.39E-03	2.89E-03
MGAT5B	1.85	1.39E-03	2.89E-03
AC108059.4	-4.32	1.39E-03	2.89E-03
SREBF1	0.63	1.39E-03	2.90E-03
MYL6P4	-4.11	1.39E-03	2.90E-03
RNU6-446P	-3.80	1.39E-03	2.90E-03

SERPINB7	-0.97	1.40E-03	2.90E-03
CTD-3128G10.7	3.69	1.40E-03	2.90E-03
CYCSP4	-4.14	1.40E-03	2.90E-03
KCP	1.64	1.40E-03	2.90E-03
RP11-261P13.6	-2.51	1.40E-03	2.90E-03
RP11-1H15.2	-4.14	1.40E-03	2.90E-03
RAB39A	-2.20	1.40E-03	2.91E-03
PTHLH	1.42	1.40E-03	2.91E-03
RP11-16L21.7	-4.05	1.40E-03	2.91E-03
CTC-353G13.1	-3.05	1.40E-03	2.91E-03
RN7SL501P	-3.79	1.40E-03	2.91E-03
RP11-568G11.5	-4.19	1.40E-03	2.91E-03
ENTHD1	-2.52	1.41E-03	2.92E-03
XLOC_002793	-1.72	1.41E-03	2.92E-03
RP11-737O24.3	-2.28	1.41E-03	2.92E-03
SEMA3G	1.26	1.41E-03	2.92E-03
KTN1-AS1	-0.53	1.41E-03	2.92E-03
FLJ46066	-3.00	1.41E-03	2.93E-03
FAM83H-AS1	-0.62	1.41E-03	2.93E-03
DHX33	0.45	1.41E-03	2.93E-03
AC018878.3	-4.04	1.41E-03	2.93E-03
KMO	-1.41	1.41E-03	2.93E-03
BIN2	1.06	1.41E-03	2.93E-03
FAM73B	0.49	1.41E-03	2.93E-03
TAF1B	-0.46	1.41E-03	2.93E-03
RBM43P1	-2.10	1.42E-03	2.93E-03
RP11-562A8.4	-1.38	1.42E-03	2.94E-03
WBP2NL	-0.98	1.42E-03	2.94E-03
GRIK1-AS1	-3.95	1.42E-03	2.94E-03
CSTL1	-4.46	1.42E-03	2.94E-03
RPL39P5	-3.06	1.42E-03	2.94E-03
PF4	-3.29	1.42E-03	2.95E-03
SYT6	-2.75	1.42E-03	2.95E-03
WDFY4	-1.17	1.42E-03	2.95E-03
HNRNPA1P62	-3.81	1.42E-03	2.95E-03
RP11-473O4.1	-2.73	1.42E-03	2.95E-03
SLC5A9	-0.96	1.42E-03	2.95E-03
ZBED3	0.97	1.42E-03	2.95E-03
RNU6-1136P	-3.81	1.42E-03	2.95E-03
OTUD6B-AS1	-0.54	1.42E-03	2.95E-03
AC006262.10	-3.94	1.43E-03	2.95E-03
RP11-479F13.1	-3.60	1.43E-03	2.96E-03
RP11-731J8.2	-3.48	1.43E-03	2.96E-03
FNDC9	-3.95	1.43E-03	2.96E-03
PRKD1	0.93	1.43E-03	2.96E-03

RNU6-360P	-3.83	1.43E-03	2.96E-03
SLC35F3	1.63	1.43E-03	2.96E-03
G35954	-3.99	1.43E-03	2.96E-03
RPL31P60	-4.04	1.43E-03	2.96E-03
CEP126	-0.62	1.43E-03	2.96E-03
XLOC_012036	-3.01	1.43E-03	2.96E-03
RP11-813P10.1	-4.08	1.43E-03	2.96E-03
BCAS1	1.39	1.43E-03	2.97E-03
FAM126A	-0.70	1.43E-03	2.97E-03
CDC42SE2	-0.44	1.43E-03	2.97E-03
C3orf84	-3.93	1.43E-03	2.97E-03
CEP164P1	-2.84	1.44E-03	2.97E-03
GRIK5	0.97	1.44E-03	2.97E-03
AC092038.1	-3.86	1.44E-03	2.98E-03
AASDHPPT	-0.44	1.44E-03	2.98E-03
RP3-426I6.2	-2.53	1.44E-03	2.99E-03
MTCO2P19	-4.13	1.44E-03	2.99E-03
AC005740.5	-1.68	1.45E-03	2.99E-03
AP000487.6	-1.91	1.45E-03	2.99E-03
RN7SKP154	-4.02	1.45E-03	2.99E-03
TUBA3E	-3.67	1.45E-03	2.99E-03
GOLPH3L	-0.28	1.45E-03	2.99E-03
SNORA36	-3.58	1.45E-03	2.99E-03
RP3-514P16.1	-3.71	1.45E-03	3.00E-03
CCDC117	-0.35	1.45E-03	3.00E-03
AC105402.4	-4.07	1.45E-03	3.00E-03
STK17A	0.48	1.45E-03	3.00E-03
CNN1	1.39	1.45E-03	3.00E-03
RP11-830F9.5	1.15	1.45E-03	3.00E-03
RNU6-195P	-3.47	1.45E-03	3.01E-03
TFPI	1.19	1.45E-03	3.01E-03
CD300C	2.07	1.46E-03	3.01E-03
DOC2A	-2.33	1.46E-03	3.01E-03
ANKRD53	1.35	1.46E-03	3.01E-03
RXFP1	2.60	1.46E-03	3.01E-03
RN7SL505P	-3.22	1.46E-03	3.01E-03
RP11-463C14.1	-4.00	1.46E-03	3.01E-03
SNAI3-AS1	1.41	1.46E-03	3.01E-03
PGM2	0.60	1.46E-03	3.01E-03
COMMD9	0.28	1.46E-03	3.02E-03
CNOT6	-0.35	1.46E-03	3.03E-03
RP11-354B3.1	-3.86	1.47E-03	3.03E-03
U7	-4.01	1.47E-03	3.03E-03
RP11-509J21.2	-2.68	1.47E-03	3.03E-03
HSP90AB2P	-1.93	1.47E-03	3.03E-03

FKBP3	0.42	1.47E-03	3.03E-03
RP11-394B2.7	-3.91	1.47E-03	3.03E-03
MYOC	-2.28	1.47E-03	3.03E-03
SPIN1	-0.32	1.47E-03	3.03E-03
LGALS9C	5.44	1.47E-03	3.03E-03
MFF	-0.29	1.47E-03	3.04E-03
G39617	-3.99	1.47E-03	3.04E-03
G41369	-2.15	1.47E-03	3.04E-03
RP11-775L16.1	3.80	1.47E-03	3.04E-03
SUSD2	-0.85	1.47E-03	3.04E-03
SMCO3	1.45	1.48E-03	3.05E-03
LL22NC03-86G7.1	-0.73	1.48E-03	3.05E-03
HBP1	-0.53	1.48E-03	3.05E-03
VRK2	-0.39	1.48E-03	3.05E-03
RP1-180M12.1	-4.04	1.48E-03	3.05E-03
TMEM135	-0.58	1.48E-03	3.05E-03
RP3-520B18.1	-3.77	1.48E-03	3.06E-03
RP11-132M7.3	-1.69	1.48E-03	3.06E-03
HCK	1.09	1.48E-03	3.06E-03
NUDCD1	-0.43	1.49E-03	3.06E-03
AC069394.1	-3.90	1.49E-03	3.06E-03
SLC15A4	0.33	1.49E-03	3.07E-03
RP11-436H11.5	-4.16	1.49E-03	3.07E-03
BNIP3P16	-3.88	1.49E-03	3.07E-03
RP11-382J24.2	-3.53	1.49E-03	3.07E-03
G19573	2.44	1.49E-03	3.07E-03
RP3-455J7.4	3.09	1.49E-03	3.07E-03
RP11-82K18.2	-2.80	1.49E-03	3.08E-03
MIR3146	-3.95	1.49E-03	3.08E-03
ABHD16A	-1.13	1.50E-03	3.08E-03
MIR3929	-3.85	1.50E-03	3.09E-03
RP11-257O5.4	-2.28	1.50E-03	3.09E-03
CYP7B1	-0.60	1.50E-03	3.09E-03
CTA-85E5.6	-4.47	1.50E-03	3.09E-03
USMG5P1	-3.84	1.50E-03	3.09E-03
RNU1-16P	-3.41	1.51E-03	3.10E-03
RP11-209D20.2	-3.68	1.51E-03	3.10E-03
CTB-2L9.1	-3.92	1.51E-03	3.11E-03
AC073063.10	-2.48	1.51E-03	3.11E-03
RBM44	-1.34	1.51E-03	3.11E-03
RP3-389A20.5	-3.99	1.51E-03	3.11E-03
PCDHGA9	-0.47	1.51E-03	3.11E-03
RN7SL441P	-1.87	1.51E-03	3.12E-03
RP11-520H14.7	-2.00	1.51E-03	3.12E-03
RP11-367H1.1	-2.18	1.52E-03	3.12E-03

XLOC_001188	2.49	1.52E-03	3.12E-03
RNU4ATAC11P	-4.04	1.52E-03	3.13E-03
GPATCH11	-0.51	1.52E-03	3.13E-03
SGK494	-1.34	1.52E-03	3.13E-03
RP11-40C11.2	-3.97	1.53E-03	3.14E-03
LINC01443	1.88	1.53E-03	3.14E-03
C3orf80	3.11	1.53E-03	3.15E-03
RP11-733O18.1	1.92	1.53E-03	3.15E-03
PECR	-1.85	1.53E-03	3.15E-03
RP5-1147A1.1	-3.73	1.53E-03	3.15E-03
FAM167A	-0.66	1.53E-03	3.15E-03
XLOC_010591	-3.08	1.53E-03	3.15E-03
OPN1SW	1.15	1.53E-03	3.16E-03
GPAM	-0.55	1.54E-03	3.16E-03
RP4-710M16.2	-4.15	1.54E-03	3.16E-03
DQX1	0.96	1.54E-03	3.17E-03
HCG27	-1.25	1.54E-03	3.17E-03
MALRD1	-2.26	1.54E-03	3.17E-03
RP5-965G21.6	-1.07	1.54E-03	3.17E-03
C7orf43	0.73	1.54E-03	3.17E-03
CTD-2353F22.2	-1.53	1.54E-03	3.17E-03
RP11-449L23.3	-3.98	1.54E-03	3.17E-03
CA11	0.74	1.54E-03	3.17E-03
PRKRA	-0.35	1.54E-03	3.18E-03
RP11-468H14.2	-2.33	1.55E-03	3.18E-03
RN7SL473P	-1.72	1.55E-03	3.18E-03
PTPRJ	-0.57	1.55E-03	3.18E-03
POLR2B	-0.38	1.55E-03	3.18E-03
CHIC2	0.56	1.55E-03	3.18E-03
RN7SL396P	-3.89	1.55E-03	3.19E-03
RNY1P4	-3.38	1.55E-03	3.19E-03
RP1-161P9.5	-2.83	1.55E-03	3.19E-03
ANGPTL6	1.45	1.55E-03	3.19E-03
LINC00174	0.89	1.56E-03	3.20E-03
LINC01260	2.66	1.56E-03	3.20E-03
RPL21P1	-2.99	1.56E-03	3.20E-03
MEOX2-AS1	2.66	1.56E-03	3.20E-03
CTD-2313J17.5	-1.45	1.56E-03	3.20E-03
ACTG1P20	-1.53	1.56E-03	3.20E-03
GGACT	0.73	1.56E-03	3.20E-03
CGGBP1	-0.34	1.56E-03	3.20E-03
MRPS33	0.52	1.57E-03	3.22E-03
RP11-93M12.1	-3.69	1.57E-03	3.22E-03
RP11-98L12.2	-4.25	1.57E-03	3.22E-03
CTC-503J8.4	-3.47	1.57E-03	3.22E-03

Gene	Value	p-value	q-value
RP11-96D1.3	-2.84	1.57E-03	3.22E-03
RN7SL688P	-3.65	1.57E-03	3.23E-03
CTD-2154B17.3	-3.97	1.57E-03	3.23E-03
CRHR1	2.28	1.57E-03	3.23E-03
AC012593.1	-3.98	1.57E-03	3.23E-03
WDR93	1.58	1.58E-03	3.23E-03
RP4-635E18.8	-1.29	1.58E-03	3.23E-03
ZNF404	-0.91	1.58E-03	3.24E-03
CD209	2.01	1.58E-03	3.24E-03
ZNF277	-0.51	1.58E-03	3.24E-03
HEXIM1	0.57	1.58E-03	3.24E-03
BCORL1	0.87	1.58E-03	3.24E-03
AC019181.3	-2.10	1.58E-03	3.24E-03
RP13-578N3.3	-2.27	1.58E-03	3.24E-03
RP11-576N17.3	-4.31	1.58E-03	3.25E-03
AC006547.13	0.96	1.58E-03	3.25E-03
RP3-355L5.4	-1.29	1.58E-03	3.25E-03
RNA5SP201	-3.72	1.58E-03	3.25E-03
RP11-514F3.4	-4.05	1.58E-03	3.25E-03
AC003991.3	-1.92	1.58E-03	3.25E-03
RNU6-199P	-4.08	1.59E-03	3.25E-03
RP11-881M11.4	-3.93	1.59E-03	3.25E-03
KAT6B	-0.37	1.59E-03	3.25E-03
RP11-351D16.3	1.05	1.59E-03	3.25E-03
CCDC144B	-1.42	1.59E-03	3.26E-03
KB-1742H10.3	-1.34	1.59E-03	3.26E-03
SLC22A25	-4.23	1.60E-03	3.27E-03
RPS2P41	-3.03	1.60E-03	3.27E-03
WHSC1	-0.31	1.60E-03	3.27E-03
RNA5SP221	-3.78	1.60E-03	3.27E-03
SPACA6P-AS	-3.86	1.60E-03	3.28E-03
RP11-93B14.6	-1.00	1.60E-03	3.28E-03
RP11-130C19.3	-2.10	1.60E-03	3.28E-03
IGFBP7-AS1	1.95	1.60E-03	3.29E-03
RP11-320P11.1	-3.41	1.60E-03	3.29E-03
MRPL50P2	-4.07	1.61E-03	3.29E-03
RNF11B	-4.04	1.61E-03	3.29E-03
RP11-574K11.29	-1.19	1.61E-03	3.29E-03
FRAT2	0.71	1.61E-03	3.29E-03
RP11-426J5.1	-4.25	1.61E-03	3.29E-03
RP11-506M13.3	-1.23	1.61E-03	3.29E-03
EQTN	-3.79	1.61E-03	3.30E-03
G26744	-1.46	1.61E-03	3.30E-03
AC012360.4	-2.62	1.61E-03	3.30E-03
SDHCP2	-3.86	1.61E-03	3.30E-03

RP5-1029F21.4	-2.89	1.61E-03	3.30E-03
AC097658.1	-0.85	1.61E-03	3.30E-03
RP11-115J16.2	-4.19	1.61E-03	3.30E-03
RNU6-1190P	-3.89	1.62E-03	3.31E-03
GRAMD1B	1.07	1.62E-03	3.31E-03
C1D	0.49	1.62E-03	3.31E-03
RP11-303E16.2	0.72	1.62E-03	3.31E-03
TMEM63C	-1.69	1.62E-03	3.32E-03
RNU6-177P	-4.24	1.62E-03	3.32E-03
RALA	0.39	1.62E-03	3.32E-03
RP4-803A2.2	-3.68	1.62E-03	3.32E-03
RP11-728K20.2	-2.69	1.62E-03	3.32E-03
XRCC6	0.44	1.62E-03	3.32E-03
BLMH	-0.76	1.62E-03	3.32E-03
RP11-667M19.4	-2.02	1.62E-03	3.32E-03
RP11-766H1.1	-3.75	1.63E-03	3.32E-03
MYCBP	-0.48	1.63E-03	3.33E-03
LRRN3	-1.26	1.63E-03	3.33E-03
RP11-160A9.2	-3.13	1.63E-03	3.33E-03
STRADA	-1.08	1.63E-03	3.33E-03
RNU6-1026P	-3.96	1.64E-03	3.35E-03
IMMTP1	-3.95	1.64E-03	3.35E-03
XLOC_005302	-3.85	1.64E-03	3.35E-03
RP11-136C24.2	-3.70	1.64E-03	3.35E-03
CLEC1B	-3.90	1.64E-03	3.36E-03
RP11-331F9.3	-3.08	1.64E-03	3.36E-03
FSCN3	-2.02	1.64E-03	3.36E-03
RP1-39G22.4	-3.64	1.65E-03	3.36E-03
NADK2	-0.46	1.65E-03	3.37E-03
CTB-134F13.1	-3.43	1.65E-03	3.37E-03
TGOLN2	0.39	1.65E-03	3.38E-03
RP11-890B15.2	-2.29	1.65E-03	3.38E-03
CYP2S1	0.99	1.66E-03	3.39E-03
XLOC_014192	-2.46	1.66E-03	3.39E-03
RP11-158M2.4	-3.10	1.66E-03	3.39E-03
CTD-2383M3.1	-1.24	1.66E-03	3.40E-03
RP11-262H14.3	-5.76	1.67E-03	3.40E-03
RNU6-481P	2.64	1.67E-03	3.40E-03
XLOC_008895	-4.38	1.67E-03	3.40E-03
G5833	-2.05	1.67E-03	3.40E-03
RP11-399K21.12	-3.65	1.67E-03	3.40E-03
LRRC39	-0.90	1.67E-03	3.41E-03
RP11-408P14.1	-0.90	1.67E-03	3.41E-03
PAPOLB	-3.94	1.67E-03	3.41E-03
RP11-127I20.7	-4.18	1.67E-03	3.41E-03

NBPF1	-0.70	1.67E-03	3.41E-03
VPS26B	-0.32	1.67E-03	3.41E-03
PYHIN1	1.80	1.67E-03	3.41E-03
RP11-511I11.1	-3.94	1.67E-03	3.41E-03
PDK3	-0.65	1.68E-03	3.42E-03
CLCN6	0.59	1.68E-03	3.43E-03
VPS33A	-0.36	1.68E-03	3.43E-03
RP11-834C11.10	-2.42	1.68E-03	3.44E-03
RP4-694A7.2	-4.05	1.69E-03	3.44E-03
KLHL2P1	1.66	1.69E-03	3.44E-03
TXNIP	0.61	1.69E-03	3.44E-03
HLA-DQB1-AS1	-4.77	1.69E-03	3.44E-03
TMEM241	0.52	1.69E-03	3.44E-03
UPK3A	4.41	1.69E-03	3.44E-03
RP3-325F22.3	-1.73	1.69E-03	3.44E-03
MMP10	4.08	1.69E-03	3.44E-03
SCHLAP1	-3.75	1.69E-03	3.44E-03
GPSM1	0.57	1.69E-03	3.44E-03
MTND4P26	-2.78	1.69E-03	3.45E-03
KLHDC7A	3.72	1.69E-03	3.45E-03
HNRNPU	-0.36	1.69E-03	3.45E-03
RP11-713P17.3	-0.87	1.69E-03	3.45E-03
RP3-408N23.4	-2.66	1.69E-03	3.45E-03
PRKAR2A	-0.38	1.70E-03	3.46E-03
ADAR	-0.35	1.70E-03	3.46E-03
RP11-139E19.3	-3.93	1.70E-03	3.46E-03
CHRAC1	0.43	1.70E-03	3.46E-03
RP11-806L2.6	-2.53	1.70E-03	3.46E-03
C9orf84	-1.23	1.70E-03	3.46E-03
RP11-19E18.2	-2.58	1.70E-03	3.46E-03
SRGAP3-AS3	-2.18	1.70E-03	3.47E-03
RN7SL187P	-3.54	1.71E-03	3.48E-03
IDE	-0.95	1.71E-03	3.48E-03
AC004057.1	1.24	1.71E-03	3.48E-03
RP11-137L10.5	-3.59	1.71E-03	3.48E-03
RP11-493E12.1	-3.56	1.71E-03	3.48E-03
CTD-2171N6.1	3.52	1.71E-03	3.49E-03
PSG10P	-3.99	1.71E-03	3.49E-03
SLC26A4	1.38	1.71E-03	3.49E-03
AC093818.1	-1.19	1.71E-03	3.49E-03
ADAM20P1	-1.94	1.72E-03	3.49E-03
RP11-449H3.1	-3.78	1.72E-03	3.50E-03
CTD-2248H3.1	-1.93	1.72E-03	3.50E-03
TRMT2B	-0.53	1.72E-03	3.50E-03
LINC01167	-3.95	1.72E-03	3.50E-03

RP11-413H22.2	-4.04	1.72E-03	3.50E-03
ADAM17	-0.34	1.72E-03	3.50E-03
RP11-972P1.10	-3.90	1.72E-03	3.50E-03
RP11-346M5.1	-4.03	1.72E-03	3.50E-03
RXRG	-1.04	1.72E-03	3.51E-03
RP11-632K20.2	-2.18	1.72E-03	3.51E-03
HNRNPCP6	-3.99	1.72E-03	3.51E-03
RP11-831F12.2	-3.91	1.73E-03	3.51E-03
RP3-341D10.1	-2.43	1.73E-03	3.51E-03
FAM49B	0.42	1.73E-03	3.51E-03
SRGAP3	-0.78	1.73E-03	3.51E-03
ACVR1C	1.95	1.73E-03	3.51E-03
XLOC_008611	-3.69	1.73E-03	3.51E-03
GNB2L1	0.41	1.73E-03	3.52E-03
RPS3AP44	-3.89	1.73E-03	3.52E-03
ITFG1-AS1	-2.48	1.73E-03	3.52E-03
GPN3	0.51	1.73E-03	3.52E-03
G27476	-2.57	1.73E-03	3.52E-03
AC083900.1	-2.02	1.73E-03	3.52E-03
AC018890.6	-1.92	1.73E-03	3.52E-03
PDE6G	1.77	1.73E-03	3.52E-03
NOM1	-0.39	1.74E-03	3.53E-03
RP13-93L13.1	-4.02	1.74E-03	3.54E-03
KLHL8	-0.32	1.74E-03	3.54E-03
NCS1	-0.53	1.74E-03	3.55E-03
RP11-848P1.3	1.14	1.75E-03	3.55E-03
ABCB7	-0.30	1.75E-03	3.55E-03
TRAJ38	-4.06	1.75E-03	3.55E-03
PDE1C	1.48	1.75E-03	3.56E-03
CSF3R	1.75	1.75E-03	3.56E-03
RP11-26H16.1	-3.90	1.75E-03	3.56E-03
RP3-395P12.2	-3.94	1.75E-03	3.56E-03
RP13-1032I1.7	0.74	1.75E-03	3.56E-03
RN7SL370P	-3.56	1.76E-03	3.56E-03
SNORD41	-3.71	1.76E-03	3.57E-03
POU2AF1	2.10	1.76E-03	3.57E-03
RP11-62F24.1	-4.25	1.76E-03	3.57E-03
AC093267.1	-4.02	1.76E-03	3.57E-03
PDZRN3-AS1	-3.71	1.76E-03	3.57E-03
APOBEC2	-1.27	1.76E-03	3.58E-03
XLOC_010312	-3.80	1.76E-03	3.58E-03
NUP188	-0.31	1.77E-03	3.58E-03
RP11-32B5.1	-1.63	1.77E-03	3.58E-03
ACTG2	1.44	1.77E-03	3.59E-03
TMA7	-0.74	1.77E-03	3.59E-03

PPP1R26-AS1	1.28	1.77E-03	3.60E-03
NPHP3-ACAD11	-3.47	1.78E-03	3.60E-03
RP11-651K21.1	-3.72	1.78E-03	3.61E-03
ZBTB7B	0.48	1.78E-03	3.61E-03
MIR3927	-3.84	1.78E-03	3.61E-03
RP11-120J1.1	-1.91	1.78E-03	3.61E-03
RP11-732A21.2	-3.84	1.78E-03	3.61E-03
ALPK1	-0.36	1.78E-03	3.61E-03
C1orf115	0.96	1.78E-03	3.61E-03
RP11-345J18.2	-2.16	1.78E-03	3.62E-03
CTD-2270P14.2	-1.60	1.78E-03	3.62E-03
MYO15B	1.18	1.78E-03	3.62E-03
CDS1	-0.61	1.78E-03	3.62E-03
RP11-460N11.2	-3.11	1.79E-03	3.62E-03
ZNF486	-0.65	1.79E-03	3.63E-03
RP11-730G20.2	-2.30	1.79E-03	3.63E-03
ASB15	-3.99	1.79E-03	3.64E-03
PGPEP1	0.88	1.79E-03	3.64E-03
XLOC_002554	1.22	1.79E-03	3.64E-03
RP11-219E7.2	-4.23	1.80E-03	3.64E-03
TMEM150B	2.36	1.80E-03	3.64E-03
AC107021.1	-3.56	1.80E-03	3.64E-03
CD53	1.27	1.80E-03	3.65E-03
SLC12A8	1.11	1.80E-03	3.65E-03
RPL21P3	-2.98	1.80E-03	3.65E-03
RP11-473O4.3	-2.08	1.80E-03	3.65E-03
RP11-731K22.1	-3.98	1.80E-03	3.65E-03
OR10A3	-3.50	1.80E-03	3.65E-03
AC100830.5	-2.13	1.80E-03	3.66E-03
NEURL3	2.72	1.81E-03	3.66E-03
RP11-676J12.9	-1.57	1.81E-03	3.66E-03
RNU1-28P	-3.28	1.81E-03	3.66E-03
USP6	-2.10	1.81E-03	3.67E-03
RP11-571I18.2	-3.88	1.81E-03	3.68E-03
PCBP2-OT1	-2.86	1.82E-03	3.68E-03
AKNA	0.75	1.82E-03	3.68E-03
RP11-490E15.2	-3.86	1.82E-03	3.68E-03
ABCC5-AS1	-2.68	1.82E-03	3.69E-03
IP6K2	0.40	1.82E-03	3.69E-03
XPR1	0.53	1.82E-03	3.69E-03
MIR3939	-3.58	1.82E-03	3.69E-03
PHF19	0.54	1.82E-03	3.69E-03
NUTM2D	1.08	1.83E-03	3.69E-03
CTD-2006K23.1	3.19	1.83E-03	3.70E-03
AC009237.10	-3.85	1.83E-03	3.70E-03

RP11-42F12.1	-3.87	1.83E-03	3.70E-03
YRDCP2	-3.65	1.83E-03	3.70E-03
ELAVL3	3.58	1.83E-03	3.70E-03
MYO1D	0.32	1.83E-03	3.70E-03
ZBTB10	-0.72	1.83E-03	3.70E-03
RP11-574K11.27	-3.24	1.83E-03	3.71E-03
RP11-543H12.1	-3.97	1.83E-03	3.71E-03
MORF4L2P1	-4.03	1.83E-03	3.71E-03
RP11-659E9.4	-2.06	1.83E-03	3.71E-03
RP11-276H1.2	-3.52	1.84E-03	3.71E-03
ESYT1	0.34	1.84E-03	3.71E-03
CTD-2595P9.2	-4.12	1.84E-03	3.71E-03
G5146	-0.92	1.84E-03	3.72E-03
LINC00704	2.15	1.84E-03	3.73E-03
AC069154.4	-3.92	1.85E-03	3.73E-03
RP11-413E1.2	-3.56	1.85E-03	3.73E-03
LINC01004	-1.15	1.85E-03	3.73E-03
CARD10	0.92	1.85E-03	3.73E-03
RN7SL864P	-3.85	1.85E-03	3.74E-03
METTL18	-0.54	1.85E-03	3.74E-03
RP1-37M3.8	-2.97	1.85E-03	3.74E-03
LLNLR-285B5.1	-3.04	1.85E-03	3.75E-03
RP11-304F15.6	-3.76	1.85E-03	3.75E-03
SASH1	-0.47	1.85E-03	3.75E-03
EIF2S1	-0.44	1.85E-03	3.75E-03
AC007773.1	-3.73	1.86E-03	3.76E-03
HSPA1B	0.61	1.86E-03	3.76E-03
SLC2A2	-3.94	1.86E-03	3.76E-03
AC016730.1	-3.49	1.86E-03	3.76E-03
MTND5P11	-3.25	1.87E-03	3.77E-03
RP11-121C2.3	-3.91	1.87E-03	3.77E-03
CARNS1	-1.20	1.87E-03	3.77E-03
PDGFD	1.47	1.87E-03	3.77E-03
RP5-1092L12.2	-4.21	1.87E-03	3.77E-03
KIF21B	0.94	1.87E-03	3.77E-03
RP11-314N13.10	-1.33	1.87E-03	3.78E-03
HOXC5	-2.28	1.87E-03	3.78E-03
COMMD3	-0.47	1.88E-03	3.79E-03
C1orf220	-2.26	1.88E-03	3.80E-03
RP1-142L7.9	-3.11	1.88E-03	3.80E-03
LINC01585	-2.58	1.88E-03	3.80E-03
RP11-680G24.6	-1.83	1.88E-03	3.80E-03
LINC00456	-3.95	1.89E-03	3.81E-03
EIF4A1P8	-3.29	1.89E-03	3.81E-03
RNU4-21P	-4.08	1.89E-03	3.81E-03

RP11-345K20.2	-1.75	1.89E-03	3.81E-03
XLOC_009342	-2.21	1.89E-03	3.81E-03
ACRV1	1.64	1.89E-03	3.82E-03
RPS29P22	-3.89	1.89E-03	3.82E-03
IRF8	1.19	1.89E-03	3.82E-03
LINC00886	-1.16	1.90E-03	3.83E-03
CTD-2014D20.1	-2.17	1.90E-03	3.83E-03
CTD-2589H19.6	-1.48	1.90E-03	3.83E-03
POLR2M	-0.51	1.90E-03	3.83E-03
RP11-7F17.3	1.63	1.90E-03	3.83E-03
DNAJC19P6	-4.07	1.90E-03	3.83E-03
RNU6-1278P	-4.03	1.90E-03	3.84E-03
RN7SL442P	-4.08	1.90E-03	3.84E-03
RP4-760C5.3	-3.04	1.91E-03	3.84E-03
RNU6-1102P	-4.42	1.91E-03	3.85E-03
GAPDHP32	-4.19	1.91E-03	3.85E-03
RN7SL68P	-1.90	1.91E-03	3.85E-03
CTC-329D1.2	0.95	1.91E-03	3.85E-03
YES1	-0.41	1.91E-03	3.85E-03
RP11-766F14.2	-3.68	1.92E-03	3.86E-03
XLOC_011383	-4.08	1.92E-03	3.87E-03
CYBRD1	-0.90	1.92E-03	3.87E-03
AC104655.3	-1.35	1.92E-03	3.87E-03
F8	0.66	1.92E-03	3.87E-03
RWDD4P1	-2.29	1.92E-03	3.87E-03
GOSR1	-0.27	1.93E-03	3.88E-03
DKC1	0.43	1.93E-03	3.88E-03
AKAP2	-2.34	1.93E-03	3.88E-03
RP11-369F10.2	-4.05	1.93E-03	3.89E-03
RP11-356I2.4	-0.71	1.93E-03	3.89E-03
CTC-359D24.3	-0.91	1.93E-03	3.89E-03
PCAT2	-3.86	1.93E-03	3.90E-03
PIGCP1	-0.68	1.94E-03	3.90E-03
FBXO34	-0.31	1.94E-03	3.90E-03
GCC2-AS1	2.17	1.94E-03	3.90E-03
RP11-79M19.2	-3.65	1.94E-03	3.90E-03
OLIG3	-4.18	1.94E-03	3.90E-03
TLR8	1.62	1.95E-03	3.92E-03
PNPLA8	-0.47	1.95E-03	3.92E-03
RP11-482L11.1	-4.06	1.95E-03	3.92E-03
RP11-122C5.3	-3.97	1.95E-03	3.92E-03
GLYATL1P2	-3.82	1.95E-03	3.92E-03
SRP9P1	-1.31	1.95E-03	3.92E-03
RP11-226M10.3	-1.81	1.95E-03	3.92E-03
MED20	0.40	1.95E-03	3.93E-03

TMTC4	-0.42	1.95E-03	3.93E-03
RNA5SP165	-3.82	1.95E-03	3.93E-03
IL36RN	0.96	1.95E-03	3.93E-03
HINT1	0.49	1.95E-03	3.93E-03
SNORD114-1	-3.94	1.96E-03	3.94E-03
PCDHGA4	-0.93	1.96E-03	3.94E-03
TRIM35	-0.60	1.96E-03	3.94E-03
WDR70	0.33	1.96E-03	3.94E-03
SLC12A5	-1.38	1.96E-03	3.94E-03
G22304	-4.25	1.96E-03	3.94E-03
ABCB9	0.64	1.96E-03	3.94E-03
FAM83C	0.73	1.96E-03	3.95E-03
POLR1A	-0.43	1.97E-03	3.95E-03
GOT2P2	-3.94	1.97E-03	3.95E-03
TNFRSF10C	1.70	1.97E-03	3.95E-03
C11orf71	-0.52	1.97E-03	3.95E-03
CDC42P4	-2.56	1.97E-03	3.96E-03
AC090625.1	-3.99	1.97E-03	3.96E-03
PXYLP1	-0.46	1.97E-03	3.96E-03
JPH4	1.25	1.97E-03	3.96E-03
CPB1	3.36	1.97E-03	3.97E-03
ATP2A3	1.95	1.97E-03	3.97E-03
RNU6-377P	-3.64	1.98E-03	3.97E-03
PELO	0.36	1.98E-03	3.97E-03
PRR13P1	-2.38	1.98E-03	3.97E-03
RP11-1236K1.8	-3.90	1.98E-03	3.98E-03
RNU4-47P	1.97	1.98E-03	3.98E-03
ADAMTS14	1.34	1.98E-03	3.98E-03
AC016712.2	-4.07	1.98E-03	3.98E-03
LINC00954	-1.46	1.98E-03	3.98E-03
RP3-497J21.1	-3.97	1.99E-03	3.99E-03
NMUR1	1.73	1.99E-03	3.99E-03
RNU6-189P	-3.85	1.99E-03	4.00E-03
RNU6-1043P	-3.68	1.99E-03	4.00E-03
CTD-3128G10.6	-1.72	1.99E-03	4.00E-03
TBC1D9	0.82	1.99E-03	4.00E-03
MIR23A	-1.44	2.00E-03	4.01E-03
MIR4442	1.60	2.00E-03	4.01E-03
RP11-169K17.4	-3.05	2.00E-03	4.02E-03
UBE2V1P1	-2.26	2.00E-03	4.02E-03
LIAS	0.47	2.00E-03	4.02E-03
PROCA1	0.98	2.00E-03	4.02E-03
RND3	0.58	2.01E-03	4.02E-03
RELN	-1.33	2.01E-03	4.03E-03
FCHSD1	0.92	2.01E-03	4.04E-03

G25047	-3.86	2.01E-03	4.04E-03
RNU6-1209P	-3.69	2.01E-03	4.04E-03
CDC42EP3	0.68	2.01E-03	4.04E-03
FOXR1	-3.94	2.01E-03	4.04E-03
RP11-129B9.1	-3.51	2.02E-03	4.04E-03
BNIP3P22	-3.80	2.02E-03	4.04E-03
SLC35A5	-0.44	2.02E-03	4.05E-03
ZAR1	-3.73	2.02E-03	4.05E-03
RP11-379F4.8	-3.16	2.02E-03	4.05E-03
MIR3942	-3.62	2.02E-03	4.06E-03
IL1F10	-1.04	2.02E-03	4.06E-03
GZMH	1.85	2.03E-03	4.06E-03
RP11-295I5.3	-1.26	2.03E-03	4.06E-03
POU6F2	3.18	2.03E-03	4.07E-03
HIP1R	0.50	2.03E-03	4.07E-03
NMD3	-0.33	2.03E-03	4.07E-03
WWTR1-AS1	1.46	2.03E-03	4.08E-03
SNORD96B	-3.88	2.03E-03	4.08E-03
CTD-2553L13.4	-3.90	2.04E-03	4.08E-03
HERC2P10	-2.39	2.04E-03	4.08E-03
RN7SKP198	-3.86	2.04E-03	4.08E-03
RP11-356J5.13	-2.71	2.04E-03	4.08E-03
AC064836.3	-3.68	2.04E-03	4.08E-03
YWHAEP7	-4.13	2.04E-03	4.09E-03
LINC00314	-3.98	2.04E-03	4.10E-03
FAM89B	-0.58	2.05E-03	4.10E-03
AP000908.1	-4.02	2.05E-03	4.11E-03
CTB-51E13.1	-3.82	2.05E-03	4.11E-03
RPL26P19	-1.06	2.05E-03	4.11E-03
C2orf15	-0.81	2.06E-03	4.12E-03
RP11-94C24.13	-3.51	2.06E-03	4.12E-03
RP4-800G7.1	-2.73	2.06E-03	4.12E-03
REEP6	1.18	2.06E-03	4.12E-03
TRA2B	-0.28	2.06E-03	4.12E-03
AC011899.9	2.04	2.06E-03	4.12E-03
SMARCA5-AS1	-3.02	2.06E-03	4.13E-03
NDUFA13	-1.02	2.06E-03	4.13E-03
HNRNPK	0.38	2.06E-03	4.13E-03
GNG4	2.13	2.06E-03	4.13E-03
CITF22-92A6.2	-1.94	2.06E-03	4.13E-03
CTD-2003C8.2	-1.92	2.07E-03	4.15E-03
RP11-529H20.3	-3.74	2.07E-03	4.15E-03
FAM220A	0.35	2.07E-03	4.15E-03
AP3M1	-0.35	2.07E-03	4.15E-03
RN7SL382P	-2.94	2.08E-03	4.15E-03

DENR	0.39	2.08E-03	4.15E-03
KCNN3	1.04	2.08E-03	4.16E-03
RP11-384C4.2	-1.73	2.08E-03	4.17E-03
AC133528.2	0.57	2.09E-03	4.17E-03
XLOC_010725	-2.44	2.09E-03	4.17E-03
ORC1	-0.61	2.09E-03	4.17E-03
RP1-140C12.2	-2.52	2.09E-03	4.17E-03
LINC00998	0.64	2.09E-03	4.17E-03
RPL7AP66	-1.84	2.09E-03	4.17E-03
CDC40	-0.35	2.09E-03	4.17E-03
MRPL44	0.41	2.09E-03	4.18E-03
AC011431.2	-3.83	2.09E-03	4.18E-03
RNU6-786P	-3.58	2.09E-03	4.19E-03
RNU6-378P	-4.05	2.09E-03	4.19E-03
TDRD10	1.24	2.10E-03	4.19E-03
RP11-91P24.5	-2.01	2.10E-03	4.19E-03
RP11-108K3.5	-4.05	2.10E-03	4.19E-03
ARHGAP39	0.71	2.10E-03	4.19E-03
AC002542.2	-3.84	2.10E-03	4.19E-03
CTPS1	0.53	2.10E-03	4.20E-03
RP1-278E11.3	-4.12	2.10E-03	4.20E-03
XLOC_007053	2.05	2.10E-03	4.20E-03
PXT1	-3.90	2.10E-03	4.20E-03
RP11-64B16.4	-1.70	2.10E-03	4.20E-03
LINS1	-0.34	2.10E-03	4.20E-03
ZFAT	-0.38	2.10E-03	4.20E-03
AC017104.2	-1.67	2.11E-03	4.21E-03
RP11-53I6.1	-4.05	2.11E-03	4.21E-03
G19165	-3.75	2.11E-03	4.21E-03
GDA	2.69	2.11E-03	4.22E-03
KIAA0408	-3.54	2.11E-03	4.22E-03
CRYBB1	2.53	2.11E-03	4.22E-03
AC093627.10	0.93	2.11E-03	4.22E-03
RP11-248J23.6	-1.91	2.12E-03	4.22E-03
CTD-2376I20.1	-3.82	2.12E-03	4.22E-03
MRPL1	0.44	2.12E-03	4.23E-03
AL353671.1	-3.46	2.12E-03	4.23E-03
CHST9	-1.80	2.12E-03	4.23E-03
KIF3A	-0.39	2.12E-03	4.23E-03
KLK15	-3.95	2.12E-03	4.23E-03
DLX1	1.93	2.12E-03	4.23E-03
LPIN3	0.87	2.12E-03	4.24E-03
RPL29P11	-1.13	2.13E-03	4.24E-03
PPT2-EGFL8	-2.28	2.13E-03	4.25E-03
WDYHV1	0.41	2.13E-03	4.25E-03

HSDL1	0.28	2.13E-03	4.25E-03
RP5-1163L11.2	-4.03	2.13E-03	4.25E-03
RP11-424G14.1	-1.39	2.13E-03	4.25E-03
IFT74	-0.36	2.14E-03	4.26E-03
AC009473.1	-1.82	2.14E-03	4.26E-03
CTD-2530N21.5	-3.32	2.14E-03	4.26E-03
RP4-742C19.13	-1.30	2.14E-03	4.26E-03
TCF4-AS1	-2.76	2.14E-03	4.27E-03
CC2D1B	0.31	2.14E-03	4.27E-03
ADGRF1	3.65	2.14E-03	4.27E-03
AL591479.1	0.88	2.14E-03	4.28E-03
MIR4473	-3.81	2.14E-03	4.28E-03
LRFN1	1.11	2.14E-03	4.28E-03
MURC	1.79	2.15E-03	4.28E-03
PTPDC1	-0.48	2.15E-03	4.28E-03
RP11-342A23.2	-3.33	2.15E-03	4.28E-03
COLEC11	2.58	2.15E-03	4.28E-03
RP11-422P24.12	1.38	2.16E-03	4.30E-03
FICD	-0.48	2.16E-03	4.30E-03
GSDMA	0.88	2.16E-03	4.30E-03
DLGAP1-AS2	1.31	2.16E-03	4.30E-03
PLCB1-IT1	-3.90	2.16E-03	4.30E-03
ACTG1P18	-4.06	2.16E-03	4.30E-03
TRAJ18	-3.74	2.16E-03	4.31E-03
MIR4459	-4.08	2.16E-03	4.31E-03
ATP6V0A1	-0.34	2.17E-03	4.31E-03
S100B	-0.82	2.17E-03	4.31E-03
ZNF326	-0.43	2.17E-03	4.32E-03
CTD-2555O16.4	-1.05	2.17E-03	4.32E-03
RP11-576C12.1	-1.88	2.17E-03	4.33E-03
RP5-1165K10.2	-1.76	2.17E-03	4.33E-03
HDAC5	0.45	2.17E-03	4.33E-03
RNF111	-0.32	2.18E-03	4.33E-03
RP11-208G20.3	-3.76	2.18E-03	4.33E-03
BRSK2	-1.24	2.18E-03	4.33E-03
AP000487.5	-1.14	2.18E-03	4.34E-03
ZNF419	-0.51	2.18E-03	4.35E-03
ARMC4	2.53	2.19E-03	4.35E-03
MIR643	-3.88	2.19E-03	4.35E-03
ANKRD30A	-3.57	2.19E-03	4.35E-03
LINC01270	2.19	2.19E-03	4.36E-03
CCNL2P1	-3.71	2.19E-03	4.36E-03
NDUFA12	0.55	2.19E-03	4.37E-03
CTD-2587H24.10	-2.71	2.20E-03	4.37E-03
RP4-591C20.9	0.63	2.20E-03	4.37E-03

AC008269.2	-2.60	2.20E-03	4.37E-03
RP11-478C6.4	-3.41	2.20E-03	4.38E-03
TCTN2	-0.52	2.20E-03	4.38E-03
RP11-467P9.1	-2.05	2.20E-03	4.38E-03
G2591	-2.04	2.21E-03	4.39E-03
DGCR6	0.77	2.21E-03	4.39E-03
FCGR1C	4.93	2.21E-03	4.39E-03
RP1-249I4.2	-2.66	2.21E-03	4.39E-03
MIR562	-3.72	2.21E-03	4.39E-03
FOXM1	0.70	2.21E-03	4.40E-03
DPH1	0.46	2.21E-03	4.40E-03
DNAH9	-0.80	2.21E-03	4.40E-03
RNU6-425P	-3.69	2.21E-03	4.40E-03
RNU6-155P	-3.83	2.21E-03	4.40E-03
LRRC37BP1	0.41	2.21E-03	4.40E-03
TPT1	0.54	2.21E-03	4.40E-03
RNU6-553P	-3.97	2.22E-03	4.40E-03
LINC01589	-1.66	2.22E-03	4.41E-03
G5850	-5.94	2.22E-03	4.42E-03
RP11-316M21.6	-2.05	2.22E-03	4.42E-03
WFDC2	1.78	2.22E-03	4.42E-03
CNTNAP4	4.07	2.22E-03	4.42E-03
TRIM52	-0.53	2.23E-03	4.42E-03
XLOC_008050	-3.71	2.23E-03	4.42E-03
RN7SL503P	-3.60	2.23E-03	4.42E-03
G36466	-3.50	2.23E-03	4.43E-03
SLC25A19	0.86	2.23E-03	4.43E-03
SMIM19	-0.49	2.23E-03	4.43E-03
TRMT10A	-0.71	2.23E-03	4.43E-03
MATR3	-0.38	2.23E-03	4.43E-03
RP11-306O1.2	-4.37	2.23E-03	4.44E-03
AC093381.2	-3.87	2.24E-03	4.44E-03
SCAANT1	-2.41	2.24E-03	4.44E-03
RP11-459D22.1	-1.44	2.24E-03	4.44E-03
RP3-337H4.8	-1.45	2.24E-03	4.44E-03
TCF4	0.58	2.24E-03	4.44E-03
MIR1285-1	-3.59	2.24E-03	4.44E-03
AC004593.3	-2.66	2.24E-03	4.45E-03
GLP1R	2.68	2.24E-03	4.45E-03
RP11-468E2.11	-0.83	2.24E-03	4.45E-03
RN7SL168P	-3.77	2.25E-03	4.46E-03
STT3A	0.37	2.25E-03	4.46E-03
RP11-267M23.3	-1.94	2.25E-03	4.46E-03
GTF2IRD1	0.42	2.25E-03	4.47E-03
RORA-AS2	-3.72	2.25E-03	4.47E-03

RFTN1P1	2.36	2.25E-03	4.47E-03
RP5-1121H13.4	-3.58	2.25E-03	4.47E-03
AMD1P1	-2.68	2.25E-03	4.47E-03
LURAP1	-0.85	2.26E-03	4.47E-03
ZC3H7A	0.33	2.26E-03	4.47E-03
ZNF862	0.47	2.26E-03	4.47E-03
RP11-84C13.2	-2.67	2.26E-03	4.48E-03
RP11-923I11.6	2.25	2.26E-03	4.49E-03
RP11-386M24.3	-3.66	2.27E-03	4.50E-03
ADRA2C	1.33	2.27E-03	4.50E-03
VSTM5	0.95	2.27E-03	4.50E-03
PTN	1.19	2.27E-03	4.50E-03
RPL7AP4	-4.00	2.27E-03	4.51E-03
AL365202.1	-3.78	2.27E-03	4.51E-03
IGSF3	0.48	2.27E-03	4.51E-03
UTS2B	-1.84	2.28E-03	4.51E-03
AC090616.2	-1.39	2.28E-03	4.52E-03
PSMG3-AS1	0.94	2.28E-03	4.52E-03
RP11-1415C14.3	-1.03	2.28E-03	4.52E-03
SCAPER	-0.43	2.28E-03	4.52E-03
RP11-480N24.4	-3.15	2.28E-03	4.52E-03
MFSD2A	-0.74	2.28E-03	4.52E-03
HSD3B2	-3.90	2.29E-03	4.53E-03
CAST	-0.30	2.29E-03	4.54E-03
RP11-487I5.4	-2.84	2.29E-03	4.54E-03
G39251	-1.57	2.29E-03	4.54E-03
MIR3143	-3.89	2.30E-03	4.55E-03
EXT1	0.39	2.30E-03	4.55E-03
CERS1	2.33	2.30E-03	4.55E-03
RP11-196B3.3	-3.60	2.30E-03	4.56E-03
CMTM8	0.96	2.30E-03	4.56E-03
AC004549.6	-3.71	2.30E-03	4.56E-03
RP11-417J8.3	-3.19	2.31E-03	4.56E-03
SCD5	-1.01	2.31E-03	4.57E-03
HCN3	0.85	2.31E-03	4.58E-03
C11orf49	-0.44	2.31E-03	4.58E-03
SNHG1	-0.73	2.32E-03	4.59E-03
WASH1	1.00	2.32E-03	4.59E-03
SLIT2-IT1	-3.75	2.32E-03	4.59E-03
MPND	0.57	2.32E-03	4.59E-03
RNU6-1141P	-3.70	2.32E-03	4.60E-03
RP11-556O9.2	-1.91	2.32E-03	4.60E-03
RPL19P14	-4.01	2.33E-03	4.60E-03
MAP2K6	-0.59	2.33E-03	4.60E-03
RP11-9L18.3	-3.31	2.33E-03	4.60E-03

RP11-670E13.3	-3.96	2.33E-03	4.60E-03
CTD-2536I1.2	1.83	2.33E-03	4.61E-03
LST1	1.02	2.33E-03	4.61E-03
ADAMTS3	1.10	2.33E-03	4.61E-03
GOLPH3	0.33	2.33E-03	4.61E-03
TAF9P3	-2.22	2.33E-03	4.62E-03
AC004540.4	2.08	2.34E-03	4.62E-03
PALM3	1.53	2.34E-03	4.62E-03
XLOC_014046	-1.28	2.34E-03	4.62E-03
RNA5SP210	-3.65	2.34E-03	4.62E-03
SLC30A1	-0.56	2.34E-03	4.63E-03
RNU6-1185P	-4.04	2.34E-03	4.63E-03
CCBE1	-1.25	2.34E-03	4.63E-03
PID1	-1.06	2.35E-03	4.64E-03
CCDC65	-0.81	2.35E-03	4.64E-03
RNU6-1034P	-4.45	2.35E-03	4.64E-03
ARHGEF10	-0.54	2.35E-03	4.65E-03
AC104654.2	4.60	2.35E-03	4.65E-03
RBMXP4	1.26	2.36E-03	4.66E-03
TUBBP5	2.13	2.36E-03	4.66E-03
RN7SL683P	-3.76	2.36E-03	4.66E-03
RP11-142O6.1	-1.98	2.36E-03	4.66E-03
FLJ33360	-2.70	2.36E-03	4.67E-03
INSM1	-1.72	2.37E-03	4.67E-03
TULP1	-0.86	2.37E-03	4.68E-03
FLJ31356	-0.96	2.37E-03	4.68E-03
AC091814.2	-3.76	2.37E-03	4.68E-03
C10orf11	1.33	2.37E-03	4.68E-03
RP11-568J23.4	-3.83	2.37E-03	4.69E-03
AC114812.8	-2.92	2.37E-03	4.69E-03
RP11-136H19.1	-2.23	2.38E-03	4.69E-03
SPTA1	2.11	2.38E-03	4.70E-03
RNU6-762P	-3.59	2.38E-03	4.70E-03
IGKV3-20	3.66	2.38E-03	4.71E-03
TTC22	0.63	2.38E-03	4.71E-03
EPHB6	-0.81	2.39E-03	4.71E-03
SPAG5	-0.48	2.39E-03	4.71E-03
RP11-27G14.4	-0.95	2.39E-03	4.71E-03
RP4-566D2.1	-4.18	2.39E-03	4.71E-03
DANCR	0.52	2.39E-03	4.71E-03
AC133644.2	2.58	2.39E-03	4.73E-03
RP11-680F20.5	-2.83	2.40E-03	4.73E-03
NAGA	0.55	2.40E-03	4.73E-03
ALOX12B	0.87	2.40E-03	4.73E-03
RPP14	-0.34	2.40E-03	4.73E-03

UBL3	-0.68	2.40E-03	4.73E-03
TIMM9	0.38	2.40E-03	4.74E-03
RNU2-68P	3.05	2.40E-03	4.74E-03
AC093166.4	-3.77	2.40E-03	4.74E-03
AC005330.2	3.20	2.40E-03	4.74E-03
FAM25BP	-1.81	2.40E-03	4.74E-03
RP11-118M9.3	-1.77	2.41E-03	4.74E-03
CLEC4D	4.04	2.41E-03	4.75E-03
TACR1	0.82	2.41E-03	4.75E-03
MRPS18B	0.38	2.41E-03	4.75E-03
bP-2171C21.6	2.10	2.41E-03	4.75E-03
ZNF462	-0.53	2.41E-03	4.75E-03
CNBP	0.49	2.41E-03	4.75E-03
TRIM22	0.85	2.41E-03	4.75E-03
MED18	0.47	2.42E-03	4.76E-03
RP3-449O17.1	0.98	2.42E-03	4.76E-03
ABHD10	-0.45	2.42E-03	4.76E-03
RP11-230L22.4	-3.70	2.42E-03	4.77E-03
PRR11	0.78	2.42E-03	4.78E-03
RP11-481A20.11	1.70	2.42E-03	4.78E-03
RP11-4L24.4	-1.03	2.43E-03	4.78E-03
HMG20A	-0.27	2.43E-03	4.78E-03
HSPBAP1	-0.43	2.43E-03	4.78E-03
IPO9	-0.26	2.43E-03	4.78E-03
CENPW	0.76	2.43E-03	4.78E-03
RNVU1-6	-2.89	2.43E-03	4.79E-03
CTD-2562J15.4	-3.38	2.43E-03	4.79E-03
MIR4637	-3.91	2.43E-03	4.79E-03
HULC	-3.52	2.43E-03	4.79E-03
DNAI1	-3.52	2.44E-03	4.80E-03
RP11-277P12.20	1.18	2.44E-03	4.80E-03
KRT18	1.85	2.44E-03	4.80E-03
UBE3AP2	-4.18	2.44E-03	4.81E-03
GCC2	-0.42	2.44E-03	4.81E-03
HYKK	-0.62	2.45E-03	4.82E-03
RN7SL55P	-3.66	2.45E-03	4.82E-03
RP11-2E11.6	-3.94	2.45E-03	4.82E-03
AC079922.3	1.63	2.45E-03	4.82E-03
AC105398.3	-2.03	2.45E-03	4.82E-03
AL163193.1	-3.76	2.45E-03	4.83E-03
DSCAS	-1.77	2.45E-03	4.83E-03
RP11-694I15.7	-0.88	2.46E-03	4.83E-03
RP11-390F4.3	-1.29	2.46E-03	4.84E-03
RP11-365F18.6	-3.51	2.46E-03	4.84E-03
CPT1C	0.58	2.46E-03	4.84E-03

PAPPA2	-1.67	2.46E-03	4.85E-03
SIMC1	-0.42	2.47E-03	4.85E-03
BCL7C	0.46	2.47E-03	4.85E-03
MAGEF1	0.43	2.47E-03	4.85E-03
COPS7B	0.53	2.47E-03	4.86E-03
RP11-720N19.1	-3.58	2.47E-03	4.86E-03
KRT72	-1.71	2.47E-03	4.86E-03
MAT1A	-1.50	2.47E-03	4.86E-03
NT5CP1	-3.97	2.48E-03	4.87E-03
C1orf229	1.64	2.48E-03	4.87E-03
LINC00116	0.68	2.48E-03	4.87E-03
WNT2	2.05	2.48E-03	4.87E-03
CEP70	-0.53	2.48E-03	4.88E-03
MIR1278	-3.74	2.48E-03	4.88E-03
RP13-890H12.2	-1.23	2.48E-03	4.88E-03
RNA5SP37	-1.48	2.48E-03	4.88E-03
RP11-301G23.1	-3.79	2.48E-03	4.88E-03
ABI3BP	-1.13	2.49E-03	4.89E-03
XLOC_010023	-1.47	2.49E-03	4.89E-03
EXTL3-AS1	-1.30	2.49E-03	4.89E-03
RP11-476B13.2	-3.02	2.49E-03	4.89E-03
XLOC_011448	-1.09	2.49E-03	4.89E-03
FABP9	-7.39	2.49E-03	4.89E-03
OR2T11	-4.71	2.50E-03	4.91E-03
RPS26P52	-3.30	2.51E-03	4.92E-03
RP5-966M1.5	-3.60	2.51E-03	4.92E-03
RP5-827C21.6	-2.72	2.51E-03	4.92E-03
B3GNTL1	-0.63	2.51E-03	4.93E-03
AC008937.3	-3.82	2.51E-03	4.93E-03
SLC45A4	-0.71	2.51E-03	4.93E-03
CTD-2013N17.1	-3.37	2.51E-03	4.93E-03
5-Sep	0.54	2.51E-03	4.93E-03
AP001476.2	3.74	2.51E-03	4.93E-03
ZADH2	-0.28	2.52E-03	4.94E-03
CIT	-0.61	2.52E-03	4.95E-03
ARNT2	0.86	2.52E-03	4.95E-03
GPC5	-2.85	2.52E-03	4.95E-03
XLOC_014083	-2.50	2.52E-03	4.95E-03
MIR942	-3.77	2.52E-03	4.95E-03
RP11-202G18.1	-3.67	2.52E-03	4.95E-03
RAB11FIP1P1	-1.49	2.52E-03	4.95E-03
XLOC_013531	-3.31	2.52E-03	4.95E-03
LSM3	0.54	2.53E-03	4.96E-03
LSG1	-0.24	2.53E-03	4.96E-03
RP11-407N17.4	-1.68	2.53E-03	4.96E-03

RP11-303E16.3	-2.90	2.53E-03	4.96E-03
RN7SL192P	-2.72	2.53E-03	4.96E-03
CDH18	-2.11	2.53E-03	4.96E-03
GBP5	1.18	2.53E-03	4.97E-03
RNU6-494P	-4.06	2.54E-03	4.97E-03
AC009411.2	-3.83	2.54E-03	4.97E-03
BOLL	-3.09	2.54E-03	4.98E-03
KIAA1841	-0.57	2.54E-03	4.98E-03
PEBP1	0.47	2.54E-03	4.98E-03
MIR4669	-3.64	2.54E-03	4.98E-03
RP11-141M1.1	-3.55	2.54E-03	4.98E-03
EID2B	1.17	2.55E-03	4.99E-03
LINC01558	2.06	2.55E-03	4.99E-03
AF131215.6	-3.80	2.55E-03	4.99E-03
EOMES	1.74	2.55E-03	5.00E-03
AC005251.3	-3.68	2.56E-03	5.01E-03
RP11-95I19.2	-3.53	2.56E-03	5.02E-03
RNU6-574P	-2.20	2.56E-03	5.02E-03
SZT2	-0.51	2.56E-03	5.02E-03
RP11-96C23.14	-3.73	2.56E-03	5.02E-03
FGF17	-1.88	2.56E-03	5.02E-03
PRDM6	-1.26	2.56E-03	5.03E-03
SLC35B1	0.37	2.57E-03	5.03E-03
UPF2	0.36	2.57E-03	5.03E-03
RP11-267J23.4	-3.54	2.57E-03	5.03E-03
ANKRD18CP	-2.58	2.57E-03	5.03E-03
MTAPP2	-3.57	2.57E-03	5.04E-03
DDX11L10	-2.31	2.57E-03	5.04E-03
MIR603	-3.67	2.58E-03	5.05E-03
RPS4XP6	-3.16	2.58E-03	5.05E-03
PPP2R2B	-0.72	2.58E-03	5.05E-03
RP11-36I17.2	-2.62	2.58E-03	5.05E-03
USP30	-0.39	2.58E-03	5.05E-03
AL844165.1	-3.69	2.58E-03	5.05E-03
RP1-167A14.2	-1.48	2.58E-03	5.05E-03
RP11-45F15.2	-3.72	2.58E-03	5.06E-03
FAP	1.72	2.59E-03	5.06E-03
WLS	-0.36	2.59E-03	5.07E-03
RP11-5N11.2	-3.85	2.59E-03	5.07E-03
LINC00582	-3.94	2.59E-03	5.07E-03
G31252	-2.08	2.59E-03	5.08E-03
RP11-12M5.4	-3.37	2.60E-03	5.08E-03
C20orf194	0.51	2.60E-03	5.08E-03
RP11-275I4.2	2.99	2.60E-03	5.08E-03
RP1-122O8.7	-3.41	2.60E-03	5.09E-03

MED28P7	-3.75	2.60E-03	5.09E-03
CSPG4P13	2.77	2.60E-03	5.09E-03
RP11-332M2.1	0.57	2.60E-03	5.09E-03
NPM1P41	-4.07	2.60E-03	5.09E-03
CNR1	1.15	2.61E-03	5.10E-03
RP11-64K12.9	-3.56	2.61E-03	5.10E-03
TTI2	0.37	2.61E-03	5.10E-03
RP11-108A14.1	-2.39	2.61E-03	5.10E-03
AC017028.7	-3.76	2.61E-03	5.11E-03
CCDC64	-0.77	2.61E-03	5.11E-03
RP1-40G4P.1	-2.13	2.61E-03	5.11E-03
OR7E130P	-3.90	2.62E-03	5.11E-03
DAW1	-2.31	2.62E-03	5.12E-03
FGFR1	1.15	2.62E-03	5.12E-03
ARMC2	-0.60	2.62E-03	5.12E-03
AC013468.1	-3.71	2.62E-03	5.12E-03
XLOC_001595	-1.87	2.62E-03	5.12E-03
RP11-153F10.2	-1.51	2.62E-03	5.12E-03
RP11-86H7.6	-3.64	2.62E-03	5.13E-03
SLC5A6	0.58	2.62E-03	5.13E-03
LRG1	1.82	2.62E-03	5.13E-03
ZDHHC20P4	-2.60	2.63E-03	5.13E-03
TMEM45B	0.74	2.63E-03	5.13E-03
DLGAP2	-1.55	2.63E-03	5.13E-03
XLOC_013958	-3.89	2.63E-03	5.13E-03
RP11-525A16.4	-1.91	2.63E-03	5.13E-03
AC079804.1	-3.84	2.63E-03	5.14E-03
CKAP2L	-0.74	2.63E-03	5.14E-03
RP11-295I5.4	-3.54	2.63E-03	5.14E-03
COL7A1	0.81	2.63E-03	5.14E-03
RP11-123C21.1	-4.01	2.63E-03	5.14E-03
ATPAF1	0.31	2.63E-03	5.14E-03
KRT17P3	-4.25	2.63E-03	5.14E-03
NPCDR1	-3.73	2.63E-03	5.14E-03
NTN5	2.12	2.64E-03	5.14E-03
CTD-2006H14.2	-0.81	2.64E-03	5.15E-03
IKBKE	0.65	2.64E-03	5.15E-03
RPS20P14	-2.64	2.64E-03	5.16E-03
CKAP2P1	-3.77	2.64E-03	5.16E-03
ACCSL	-1.83	2.64E-03	5.16E-03
PPHLN1	0.21	2.64E-03	5.16E-03
CR392039.1	-4.25	2.64E-03	5.16E-03
RP11-1113N2.4	-3.70	2.65E-03	5.16E-03
RP11-781A6.1	-3.62	2.65E-03	5.17E-03
MGC16275	-0.96	2.65E-03	5.18E-03

RNY3P6	-3.79	2.66E-03	5.18E-03
RP1-164F3.8	-4.06	2.66E-03	5.19E-03
HACD1	0.75	2.66E-03	5.19E-03
RP11-4K3__A.3	-1.70	2.66E-03	5.20E-03
AP001172.2	-3.74	2.67E-03	5.20E-03
SLC16A14	-0.83	2.67E-03	5.20E-03
CLN8	-0.44	2.67E-03	5.21E-03
RP11-644F5.11	0.93	2.67E-03	5.21E-03
LILRA2	1.88	2.67E-03	5.21E-03
RP11-68L18.1	-1.98	2.67E-03	5.21E-03
TUFT1	-0.49	2.67E-03	5.21E-03
GAPLINC	1.76	2.68E-03	5.22E-03
OSTC	0.51	2.68E-03	5.23E-03
RP11-157E16.1	-3.81	2.68E-03	5.23E-03
PDK1	-0.64	2.68E-03	5.23E-03
NR2C1	-0.38	2.68E-03	5.23E-03
PGAM1P4	-3.96	2.68E-03	5.23E-03
AC004862.6	-3.86	2.69E-03	5.23E-03
CTC-268N12.2	-2.55	2.69E-03	5.23E-03
RP11-481J2.4	-1.10	2.69E-03	5.24E-03
ANKRD36C	-0.94	2.69E-03	5.24E-03
RAET1L	1.07	2.70E-03	5.26E-03
CTD-2010I16.1	-1.29	2.70E-03	5.26E-03
CCDC150	-0.93	2.70E-03	5.26E-03
IL2RG	1.00	2.70E-03	5.26E-03
XXbac-B461K10.4	-2.72	2.70E-03	5.27E-03
MLC1	-1.13	2.71E-03	5.27E-03
AC006077.4	-3.74	2.71E-03	5.27E-03
KRT18P62	-3.82	2.71E-03	5.27E-03
METTL7B	-3.27	2.71E-03	5.28E-03
OIT3	2.53	2.72E-03	5.30E-03
RP11-1112G13.3	-3.86	2.72E-03	5.30E-03
MIR1539	-2.02	2.72E-03	5.30E-03
FAM204BP	-2.89	2.72E-03	5.30E-03
USP48	-0.26	2.73E-03	5.31E-03
GAS5	0.53	2.73E-03	5.31E-03
ZNF433	-0.52	2.73E-03	5.31E-03
RP11-72B4.2	-2.46	2.73E-03	5.31E-03
RP11-649E7.7	-2.96	2.73E-03	5.31E-03
FAF2	-0.31	2.73E-03	5.31E-03
RP11-1017G21.5	0.78	2.73E-03	5.32E-03
RP11-331F4.5	-1.43	2.74E-03	5.32E-03
SERBP1P3	3.04	2.74E-03	5.32E-03
RPL35AP31	-3.78	2.74E-03	5.32E-03
SNORA64	-2.98	2.74E-03	5.33E-03

BMS1P18	3.64	2.74E-03	5.34E-03
AC013267.1	-3.71	2.75E-03	5.34E-03
RP3-508I15.10	-1.74	2.75E-03	5.34E-03
TSPY26P	0.94	2.75E-03	5.34E-03
LACC1	-0.62	2.75E-03	5.34E-03
UBE2V2P3	-2.43	2.75E-03	5.34E-03
RP11-393I2.4	-0.95	2.75E-03	5.35E-03
MEI1	1.40	2.75E-03	5.35E-03
UQCC2	0.51	2.75E-03	5.35E-03
HAUS2	-0.38	2.75E-03	5.35E-03
CCR3	-1.56	2.75E-03	5.36E-03
RP11-488C13.1	2.17	2.76E-03	5.36E-03
SNRPGP1	-3.67	2.76E-03	5.36E-03
RP3-388M5.8	-3.61	2.76E-03	5.36E-03
XLOC_002956	-3.19	2.76E-03	5.37E-03
CBX3P4	-3.75	2.76E-03	5.37E-03
CDH7	-4.25	2.76E-03	5.37E-03
CTD-2283N19.1	-1.97	2.76E-03	5.37E-03
RPS2P28	-4.11	2.77E-03	5.38E-03
CCDC67	-2.28	2.77E-03	5.38E-03
B4GALT6	-0.54	2.77E-03	5.38E-03
RP11-145E17.2	-1.05	2.77E-03	5.38E-03
TOMM22P2	-3.35	2.78E-03	5.39E-03
AF131217.1	-1.33	2.78E-03	5.39E-03
RNU6-958P	-3.77	2.78E-03	5.40E-03
AC009994.2	-3.55	2.78E-03	5.40E-03
KIF18A	-0.71	2.78E-03	5.41E-03
SIK2	-0.35	2.79E-03	5.41E-03
G231	1.60	2.79E-03	5.41E-03
DNASE1L1	0.83	2.79E-03	5.41E-03
VN1R80P	-2.25	2.79E-03	5.41E-03
TNP1	-3.89	2.79E-03	5.41E-03
LAMA1	1.10	2.79E-03	5.42E-03
RP11-161M6.6	-1.39	2.79E-03	5.42E-03
XLOC_007860	-2.68	2.79E-03	5.42E-03
RP11-739N10.1	-3.95	2.79E-03	5.42E-03
ANXA2P1	-3.38	2.80E-03	5.43E-03
RNU6-807P	-2.83	2.80E-03	5.43E-03
ST13P15	-1.92	2.80E-03	5.43E-03
RN7SL390P	-4.12	2.80E-03	5.43E-03
NPM1	0.55	2.80E-03	5.44E-03
TIMM9P1	-2.67	2.80E-03	5.44E-03
NDRG2	0.51	2.80E-03	5.44E-03
RP11-370I10.6	-3.78	2.80E-03	5.44E-03
RP1-167G20.1	-3.51	2.81E-03	5.44E-03

SRPK3	-1.23	2.81E-03	5.45E-03
SLC22A5	-0.70	2.81E-03	5.46E-03
POPDC3	3.62	2.82E-03	5.46E-03
NAE1	-0.38	2.82E-03	5.47E-03
GRIN2B	-1.81	2.82E-03	5.47E-03
AC114812.5	-3.57	2.82E-03	5.47E-03
XLOC_005552	3.97	2.82E-03	5.47E-03
RP11-253E3.1	-3.63	2.82E-03	5.47E-03
RP11-834C11.4	0.75	2.82E-03	5.47E-03
DEPDC4	-1.04	2.82E-03	5.47E-03
MRPL37P1	-1.33	2.83E-03	5.48E-03
RP5-827C21.4	1.24	2.83E-03	5.48E-03
OAS2	1.99	2.83E-03	5.49E-03
TMC5	-1.28	2.83E-03	5.49E-03
AC017002.1	3.66	2.83E-03	5.49E-03
RP5-951N9.2	-3.49	2.83E-03	5.49E-03
PTOV1	0.82	2.83E-03	5.49E-03
MRPL40	0.48	2.84E-03	5.51E-03
MIR3134	-3.79	2.84E-03	5.51E-03
CDK19	-0.33	2.85E-03	5.52E-03
G34551	-0.99	2.85E-03	5.53E-03
PTK2B	-0.52	2.85E-03	5.53E-03
MRPS18AP1	-3.61	2.86E-03	5.53E-03
RP11-344B2.2	-3.98	2.86E-03	5.53E-03
TPPP2	-3.38	2.86E-03	5.53E-03
LINC01032	-3.20	2.86E-03	5.54E-03
TEX11	3.46	2.86E-03	5.54E-03
RHOF	-1.02	2.86E-03	5.54E-03
POC1B-GALNT4	-2.95	2.86E-03	5.54E-03
LA16c-395F10.1	-3.68	2.86E-03	5.55E-03
RPS7P11	-0.97	2.87E-03	5.55E-03
RPL21P8	-4.07	2.87E-03	5.55E-03
SFRP5	-1.71	2.87E-03	5.56E-03
XLOC_012351	-2.70	2.87E-03	5.56E-03
DDI1	-3.48	2.87E-03	5.56E-03
RP11-30K9.4	-2.50	2.87E-03	5.56E-03
INO80	-0.29	2.87E-03	5.57E-03
RNU6-101P	-4.02	2.88E-03	5.57E-03
RP11-317B17.3	-3.47	2.88E-03	5.57E-03
RP5-1024G6.7	-2.22	2.88E-03	5.57E-03
PKI55	-0.68	2.88E-03	5.57E-03
RTEL1	-1.43	2.88E-03	5.58E-03
XXbac-BPGBPG55C20.3	-2.85	2.88E-03	5.58E-03
LRSAM1	0.43	2.89E-03	5.59E-03
BRAP	-0.31	2.89E-03	5.59E-03

RP1-209B5.2	-3.88	2.89E-03	5.59E-03
CUL4A	-0.26	2.90E-03	5.61E-03
RP1-43O17.2	2.45	2.91E-03	5.63E-03
RP11-782C8.1	-1.43	2.91E-03	5.63E-03
RNU7-38P	-3.81	2.91E-03	5.64E-03
WWC2-AS1	-3.89	2.91E-03	5.64E-03
RP11-728F11.4	-3.74	2.92E-03	5.64E-03
CTD-2380F24.1	-2.94	2.92E-03	5.66E-03
MCMBP	-0.36	2.92E-03	5.66E-03
DLEU7	-1.30	2.93E-03	5.66E-03
RP11-1246C19.1	0.79	2.93E-03	5.66E-03
RP11-266K4.13	-3.01	2.93E-03	5.67E-03
MIR3153	-3.54	2.93E-03	5.67E-03
RP11-79H23.3	-1.06	2.93E-03	5.67E-03
JADE2	0.38	2.93E-03	5.67E-03
AC105053.3	-3.58	2.94E-03	5.68E-03
KBTBD2	0.29	2.94E-03	5.68E-03
CTD-3025N20.3	-1.25	2.94E-03	5.69E-03
RP11-94P14.1	-3.72	2.94E-03	5.69E-03
ABCB1	1.20	2.94E-03	5.69E-03
ZNF620	-0.66	2.94E-03	5.69E-03
RNU6-509P	-3.13	2.95E-03	5.70E-03
CTC-268N12.3	-3.57	2.95E-03	5.70E-03
AL355490.2	-3.64	2.95E-03	5.70E-03
SDR9C7	0.70	2.95E-03	5.70E-03
IP6K1	0.32	2.95E-03	5.71E-03
WDR62	0.69	2.95E-03	5.71E-03
RP11-787D18.1	-3.34	2.96E-03	5.71E-03
ADAMTS9-AS2	-0.85	2.96E-03	5.71E-03
AL121652.1	-3.72	2.96E-03	5.71E-03
CTD-2012K14.2	-3.73	2.96E-03	5.71E-03
CLDN8	-1.11	2.96E-03	5.72E-03
G8119	-4.03	2.96E-03	5.72E-03
KCNJ2	-0.49	2.96E-03	5.72E-03
ARHGAP19	-0.46	2.96E-03	5.72E-03
AREL1	-0.31	2.97E-03	5.73E-03
AL035422.1	-3.74	2.97E-03	5.73E-03
HTR7P1	-0.66	2.97E-03	5.73E-03
RP11-34P13.13	-2.22	2.97E-03	5.73E-03
DGKE	-0.47	2.98E-03	5.75E-03
RP13-672B3.5	-3.49	2.98E-03	5.76E-03
RP1-187B23.1	-2.15	2.98E-03	5.76E-03
RP11-809N15.2	-3.53	2.99E-03	5.76E-03
AL627309.1	1.61	2.99E-03	5.77E-03
RNU6-767P	-3.73	2.99E-03	5.77E-03

RP11-702L15.4	-3.21	2.99E-03	5.77E-03
GUCY1A2	1.30	3.00E-03	5.79E-03
NEURL1B	-0.47	3.00E-03	5.79E-03
DRC1	3.04	3.01E-03	5.81E-03
NHS-AS1	-3.92	3.01E-03	5.81E-03
SNRK-AS1	-2.06	3.01E-03	5.81E-03
RP11-70D24.2	-2.42	3.02E-03	5.82E-03
SIM1	-1.25	3.02E-03	5.82E-03
AC114763.1	-2.60	3.02E-03	5.82E-03
KRBOX1	-1.36	3.02E-03	5.83E-03
MIR4305	-3.23	3.02E-03	5.83E-03
RP11-805J14.3	-3.63	3.02E-03	5.83E-03
TRBV30	-3.35	3.03E-03	5.84E-03
RP11-224O19.5	-3.68	3.03E-03	5.84E-03
AL441988.1	-3.86	3.03E-03	5.85E-03
HPDL	0.88	3.03E-03	5.85E-03
TLCD1	-0.75	3.03E-03	5.85E-03
SOX8	1.59	3.03E-03	5.85E-03
PCNXL4	-0.33	3.03E-03	5.85E-03
MS4A4E	-2.03	3.04E-03	5.85E-03
RNA5SP118	-2.97	3.04E-03	5.87E-03
LRRC37B	-0.45	3.05E-03	5.87E-03
TAS2R10	-3.67	3.05E-03	5.87E-03
ZIM2	-3.93	3.05E-03	5.88E-03
RNU6-769P	-3.73	3.06E-03	5.89E-03
OTUD7A	-0.67	3.06E-03	5.89E-03
HEATR5A	-0.38	3.07E-03	5.91E-03
RP11-3L21.2	-3.99	3.07E-03	5.91E-03
AC022558.1	-1.86	3.07E-03	5.91E-03
RNU6-1214P	-3.79	3.07E-03	5.91E-03
AC121251.1	-3.73	3.07E-03	5.91E-03
AL031320.1	-1.61	3.07E-03	5.92E-03
AC093616.4	1.54	3.07E-03	5.92E-03
RN7SKP253	-3.38	3.08E-03	5.92E-03
EFCAB9	-3.89	3.08E-03	5.93E-03
SMAD3	0.46	3.08E-03	5.94E-03
PITPNM3	-0.58	3.09E-03	5.95E-03
AC005048.1	-3.57	3.09E-03	5.95E-03
FRY-AS1	-1.91	3.09E-03	5.95E-03
LA16c-352F7.1	-3.61	3.09E-03	5.95E-03
RP11-690P14.4	-2.58	3.10E-03	5.96E-03
LOC440461	2.22	3.10E-03	5.96E-03
RP11-662G23.1	5.08	3.10E-03	5.96E-03
LRRC3	0.71	3.10E-03	5.96E-03
XLOC_006312	-3.97	3.10E-03	5.97E-03

DNM1P51	-1.91	3.10E-03	5.97E-03
TLK1P1	-3.73	3.11E-03	5.98E-03
RP11-144O23.22	-3.49	3.11E-03	5.98E-03
RP11-834C11.11	-2.09	3.11E-03	5.99E-03
RUNDC1	0.25	3.11E-03	5.99E-03
OLA1P1	-2.13	3.12E-03	5.99E-03
CTD-2330K9.2	-3.83	3.12E-03	6.00E-03
RNU6-1016P	-1.30	3.12E-03	6.00E-03
IRX4	0.62	3.12E-03	6.00E-03
RP11-61L23.2	1.31	3.12E-03	6.00E-03
RP5-965F6.2	-2.03	3.12E-03	6.00E-03
PCDHGB4	-0.80	3.13E-03	6.01E-03
SLC28A2	-2.01	3.13E-03	6.02E-03
RP11-74K11.2	-3.74	3.13E-03	6.02E-03
KCNJ11	-1.24	3.13E-03	6.02E-03
RNU6-1062P	-3.78	3.14E-03	6.03E-03
HEATR3	-0.39	3.14E-03	6.04E-03
RNU6-531P	-1.61	3.14E-03	6.04E-03
CROT	0.36	3.14E-03	6.04E-03
IL17RD	-0.57	3.15E-03	6.05E-03
METTL7A	0.68	3.15E-03	6.05E-03
RP1-228P16.7	-3.64	3.15E-03	6.05E-03
RP11-642A1.2	-2.09	3.15E-03	6.05E-03
RP11-141C7.3	-3.16	3.15E-03	6.05E-03
TROAP	0.74	3.15E-03	6.06E-03
SNHG10	-0.70	3.15E-03	6.06E-03
HGF	1.46	3.15E-03	6.06E-03
NLK	-0.31	3.15E-03	6.06E-03
G3707	-1.10	3.15E-03	6.06E-03
CHAF1A	0.35	3.16E-03	6.06E-03
CTD-2623N2.5	-3.42	3.16E-03	6.07E-03
RP11-298D21.2	-3.87	3.16E-03	6.07E-03
TTC30A	-0.50	3.16E-03	6.07E-03
OR7E7P	-1.47	3.16E-03	6.07E-03
AC017028.1	-3.41	3.16E-03	6.08E-03
OFCC1	-3.93	3.17E-03	6.08E-03
SNORD64	-3.98	3.17E-03	6.09E-03
RP11-458D21.1	-1.04	3.17E-03	6.09E-03
RP11-111G23.1	-1.40	3.17E-03	6.09E-03
PAX9	2.15	3.17E-03	6.10E-03
POLG	0.36	3.18E-03	6.10E-03
KLC1	-0.54	3.18E-03	6.10E-03
AC074375.1	-3.46	3.18E-03	6.10E-03
RP11-575F12.3	1.37	3.18E-03	6.10E-03
CTC-370J7.1	-3.45	3.18E-03	6.10E-03

MIR26A1	-3.90	3.18E-03	6.10E-03
RPUSD2	0.46	3.18E-03	6.11E-03
RP11-274B21.12	1.44	3.19E-03	6.11E-03
RP11-365H22.2	-1.71	3.19E-03	6.12E-03
LAMA5	0.60	3.19E-03	6.12E-03
RP11-556H2.4	-4.07	3.19E-03	6.12E-03
RP11-147L13.12	-0.73	3.19E-03	6.12E-03
MIR3679	-3.87	3.19E-03	6.12E-03
OSGIN2	-0.65	3.20E-03	6.13E-03
RP11-770G2.2	-1.97	3.20E-03	6.14E-03
CMC1	0.39	3.20E-03	6.14E-03
CDC42P1	-3.33	3.20E-03	6.14E-03
SENCR	1.43	3.21E-03	6.15E-03
AC007557.4	-3.81	3.21E-03	6.15E-03
RPL36AP43	-2.83	3.21E-03	6.15E-03
DRD1	2.29	3.21E-03	6.15E-03
CCDC110	-0.87	3.21E-03	6.15E-03
NMU	-0.80	3.21E-03	6.16E-03
KCNH3	-1.49	3.21E-03	6.16E-03
G39823	-1.47	3.21E-03	6.16E-03
CYP4X1	1.02	3.22E-03	6.17E-03
BPIFB9P	-1.99	3.22E-03	6.18E-03
MRPL12	0.87	3.22E-03	6.18E-03
OVCH1-AS1	-4.05	3.23E-03	6.19E-03
HLA-DMB	0.90	3.23E-03	6.20E-03
HADHAP1	-2.97	3.23E-03	6.20E-03
RP11-353M9.1	-3.45	3.24E-03	6.20E-03
RN7SL752P	-3.44	3.24E-03	6.20E-03
ACSL4	0.60	3.24E-03	6.20E-03
OVCH1	-2.77	3.24E-03	6.21E-03
RP11-77A13.1	-3.79	3.24E-03	6.21E-03
CTD-2015G9.2	2.51	3.24E-03	6.22E-03
SPAG17	1.43	3.25E-03	6.22E-03
WI2-8325B5.1	-3.93	3.25E-03	6.22E-03
NFATC2IP	0.32	3.25E-03	6.23E-03
RP11-10J21.3	-4.04	3.25E-03	6.23E-03
MIR3978	-3.55	3.26E-03	6.24E-03
CCDC88A	0.60	3.26E-03	6.24E-03
RP11-123K19.1	1.63	3.26E-03	6.24E-03
SLC51A	-0.60	3.26E-03	6.24E-03
CR769776.1	-4.15	3.26E-03	6.25E-03
BTG1	0.54	3.27E-03	6.26E-03
AC005162.5	1.81	3.27E-03	6.26E-03
RP11-159F24.3	-0.96	3.27E-03	6.26E-03
RP4-728D4.3	-1.85	3.27E-03	6.26E-03

RP5-935K16.2	-3.16	3.27E-03	6.26E-03
CYB5R2	0.41	3.27E-03	6.26E-03
NFX1	-0.29	3.27E-03	6.26E-03
RN7SL481P	-1.89	3.27E-03	6.26E-03
RP11-500C11.3	1.51	3.27E-03	6.27E-03
MT1H	1.30	3.28E-03	6.27E-03
THTPA	0.76	3.28E-03	6.27E-03
RP4-816N1.6	-2.80	3.28E-03	6.27E-03
RP11-665E10.4	-3.75	3.28E-03	6.27E-03
AC069513.4	-2.87	3.28E-03	6.27E-03
AF224669.3	-3.91	3.28E-03	6.28E-03
CTD-3037G24.3	-3.29	3.28E-03	6.28E-03
ZMAT3	-0.44	3.28E-03	6.28E-03
RP11-43F13.3	3.47	3.28E-03	6.28E-03
RP11-214N15.5	-3.08	3.28E-03	6.28E-03
RP11-60A8.1	-1.22	3.28E-03	6.28E-03
G18341	-3.72	3.29E-03	6.29E-03
PARP16	0.33	3.29E-03	6.29E-03
AP002884.1	-3.85	3.29E-03	6.29E-03
RP5-1063M23.2	-3.19	3.29E-03	6.29E-03
EFNA4	0.53	3.29E-03	6.30E-03
C19orf73	1.09	3.29E-03	6.30E-03
AC009237.11	-1.10	3.30E-03	6.30E-03
RP11-787D18.2	-4.04	3.30E-03	6.30E-03
UFL1-AS1	-2.42	3.30E-03	6.31E-03
ENPP7P6	-2.51	3.30E-03	6.31E-03
THYN1	0.48	3.30E-03	6.31E-03
RP4-717I23.2	-3.49	3.30E-03	6.31E-03
RPL7AP3	-3.51	3.30E-03	6.31E-03
NARF-IT1	-1.67	3.30E-03	6.31E-03
HIAT1	-0.41	3.31E-03	6.31E-03
RNU6-795P	-3.62	3.31E-03	6.32E-03
TNNC1	-0.87	3.31E-03	6.32E-03
PRPF4	0.30	3.31E-03	6.32E-03
AC135178.1	-0.89	3.31E-03	6.32E-03
CT62	1.40	3.31E-03	6.32E-03
RP11-714G18.1	-1.69	3.31E-03	6.32E-03
CFAP221	2.01	3.31E-03	6.32E-03
RP1-234P15.4	-1.09	3.31E-03	6.33E-03
RP11-48G14.3	-1.82	3.32E-03	6.33E-03
AC093642.5	-0.84	3.32E-03	6.33E-03
PRR13P3	-3.97	3.32E-03	6.34E-03
LRRC14	0.48	3.32E-03	6.34E-03
RP1-142L7.8	-3.23	3.33E-03	6.35E-03
NADK2-AS1	-1.83	3.33E-03	6.35E-03

SLC47A1P1	-3.33	3.33E-03	6.36E-03
ART5	2.33	3.33E-03	6.36E-03
RN7SL608P	-2.72	3.34E-03	6.37E-03
TKFC	0.33	3.34E-03	6.38E-03
RYBP	-0.31	3.34E-03	6.38E-03
CHCHD4P2	-4.18	3.35E-03	6.38E-03
MTND1P8	-3.86	3.35E-03	6.39E-03
ARHGEF26-AS1	-1.29	3.35E-03	6.39E-03
MAGEA10	-3.63	3.35E-03	6.39E-03
RP11-734K23.9	-2.06	3.35E-03	6.39E-03
ZNF583	-0.63	3.35E-03	6.39E-03
RP11-1166P10.1	0.94	3.35E-03	6.40E-03
MIR211	-3.68	3.35E-03	6.40E-03
RP4-753P9.3	-3.18	3.35E-03	6.40E-03
DDX19B	0.44	3.36E-03	6.41E-03
PUS7	-0.51	3.36E-03	6.41E-03
G27121	-1.18	3.36E-03	6.41E-03
MAP4K1	0.87	3.36E-03	6.41E-03
AC005682.6	1.06	3.36E-03	6.42E-03
GRP	3.36	3.37E-03	6.42E-03
RPS20P31	-3.62	3.37E-03	6.42E-03
SNORA15	-2.81	3.37E-03	6.42E-03
RPL31P7	-3.74	3.37E-03	6.42E-03
NME7	0.49	3.37E-03	6.43E-03
IPO4	-1.20	3.38E-03	6.44E-03
NDUFA5P2	-3.88	3.38E-03	6.44E-03
CDCA4P2	-3.81	3.38E-03	6.45E-03
TMEM86B	1.12	3.39E-03	6.46E-03
EFHC1	-0.65	3.39E-03	6.46E-03
CTD-2006O16.2	-4.18	3.39E-03	6.46E-03
C17orf53	0.64	3.39E-03	6.46E-03
NAV2-AS4	-3.51	3.39E-03	6.46E-03
CTD-3216D2.5	-3.60	3.40E-03	6.47E-03
SUMO2P14	-4.08	3.40E-03	6.47E-03
LA16c-390E6.3	-3.47	3.40E-03	6.48E-03
AC008752.3	-3.60	3.40E-03	6.48E-03
MIR4753	-3.92	3.41E-03	6.49E-03
RP11-15N24.4	-1.07	3.42E-03	6.50E-03
LRR1	-0.55	3.42E-03	6.50E-03
AC012501.3	-3.94	3.42E-03	6.50E-03
RP13-152O15.5	4.79	3.42E-03	6.51E-03
RN7SL787P	-3.85	3.42E-03	6.51E-03
RN7SL834P	-1.41	3.42E-03	6.51E-03
NDUFC1	0.47	3.42E-03	6.51E-03
RPL9P2	-2.62	3.42E-03	6.52E-03

MTND5P25	-3.55	3.43E-03	6.52E-03
FKBP4P1	-3.67	3.43E-03	6.52E-03
RP11-314B1.2	-3.99	3.43E-03	6.53E-03
CFAP46	-1.44	3.43E-03	6.53E-03
RP11-438N5.4	-3.87	3.43E-03	6.53E-03
SMC6	-0.34	3.43E-03	6.54E-03
EGLN3-AS1	-3.30	3.44E-03	6.54E-03
RIOK2	-0.38	3.44E-03	6.54E-03
LATS2	0.60	3.44E-03	6.55E-03
RP3-512E2.2	-3.44	3.45E-03	6.56E-03
G38643	-4.04	3.45E-03	6.56E-03
AC005517.3	-1.55	3.45E-03	6.56E-03
BLCAP	0.34	3.45E-03	6.56E-03
ACTR3BP4	-3.56	3.45E-03	6.56E-03
TTC19	-0.34	3.45E-03	6.57E-03
SULT2B1	0.57	3.46E-03	6.57E-03
ADCY1	0.73	3.46E-03	6.57E-03
AC137932.4	-1.18	3.46E-03	6.57E-03
RP11-848G14.2	3.07	3.46E-03	6.58E-03
SRP19	-0.35	3.46E-03	6.58E-03
TMEM216	0.51	3.46E-03	6.58E-03
RP11-302M6.5	-3.49	3.47E-03	6.59E-03
RPL36AP13	-3.53	3.47E-03	6.59E-03
ANKHD1	-1.01	3.47E-03	6.60E-03
PROZ	-3.32	3.47E-03	6.60E-03
FTHL17	-3.58	3.47E-03	6.60E-03
ZNF322	-0.56	3.47E-03	6.60E-03
RNU6-750P	-3.85	3.47E-03	6.60E-03
RAI1	0.77	3.48E-03	6.61E-03
RNU4-59P	-3.88	3.48E-03	6.61E-03
CREBZF	-0.49	3.48E-03	6.61E-03
XLOC_009826	-3.49	3.48E-03	6.62E-03
NANOGP4	-3.86	3.49E-03	6.63E-03
TYW3	-0.47	3.49E-03	6.63E-03
RP11-254I22.3	-3.65	3.49E-03	6.63E-03
RP11-20B24.7	1.83	3.49E-03	6.63E-03
RP11-292F22.5	-4.04	3.49E-03	6.64E-03
ANKRD49	-0.40	3.50E-03	6.64E-03
G33755	3.04	3.50E-03	6.64E-03
RP11-90D11.1	-3.86	3.50E-03	6.65E-03
FIGF	1.72	3.50E-03	6.65E-03
ANKRD31	1.11	3.50E-03	6.65E-03
QRSL1	-0.29	3.50E-03	6.65E-03
RPL12	0.50	3.50E-03	6.65E-03
REN	1.86	3.50E-03	6.65E-03

RP11-252K23.2	-1.82	3.51E-03	6.66E-03
CETN3	0.50	3.51E-03	6.66E-03
AC011747.4	-2.57	3.51E-03	6.66E-03
RP1-128O3.5	-3.97	3.51E-03	6.66E-03
SUDS3P1	-1.25	3.52E-03	6.67E-03
TNNT3	1.25	3.52E-03	6.67E-03
EDN3	-1.84	3.52E-03	6.68E-03
PCDHB15	0.71	3.52E-03	6.68E-03
MIR4802	-3.65	3.52E-03	6.68E-03
CHKA	0.80	3.52E-03	6.68E-03
LCE1E	1.72	3.53E-03	6.69E-03
AC010731.4	-4.13	3.53E-03	6.70E-03
TSTD2	-0.33	3.53E-03	6.70E-03
RNU7-151P	-3.79	3.53E-03	6.70E-03
TMED7-TICAM2	-3.69	3.54E-03	6.72E-03
UBA52P5	-3.50	3.54E-03	6.72E-03
LUC7L	0.72	3.54E-03	6.72E-03
MIR3666	-3.72	3.55E-03	6.73E-03
LINC01189	-4.14	3.55E-03	6.73E-03
HNRNPF	0.42	3.55E-03	6.74E-03
WFDC3	2.09	3.56E-03	6.74E-03
TMEM266	-0.73	3.56E-03	6.76E-03
TMEM57	0.41	3.57E-03	6.76E-03
RP11-286N3.2	-2.90	3.57E-03	6.76E-03
RNU6-1079P	-3.60	3.57E-03	6.76E-03
XLOC_008357	-2.16	3.57E-03	6.76E-03
CTD-3126B10.4	2.03	3.57E-03	6.77E-03
MIR5693	-3.70	3.58E-03	6.78E-03
SAP30L-AS1	-0.93	3.58E-03	6.78E-03
RP11-386G11.10	-2.22	3.58E-03	6.79E-03
G33057	1.80	3.58E-03	6.79E-03
ZNF29P	-2.88	3.59E-03	6.80E-03
AC106053.1	-3.55	3.59E-03	6.80E-03
G7758	-4.50	3.59E-03	6.81E-03
LINC01140	1.22	3.59E-03	6.81E-03
ANO10	0.37	3.60E-03	6.81E-03
RBPJL	-3.42	3.60E-03	6.82E-03
BHLHE41	1.04	3.60E-03	6.82E-03
PTPN7	1.11	3.60E-03	6.82E-03
AC020900.2	-3.91	3.60E-03	6.83E-03
LINC01116	1.12	3.61E-03	6.84E-03
RP11-83M16.3	-3.61	3.61E-03	6.84E-03
G17634	-6.15	3.61E-03	6.84E-03
XLOC_008883	-3.30	3.61E-03	6.84E-03
FTLP8	-3.79	3.62E-03	6.85E-03

LGI2	1.60	3.62E-03	6.85E-03
GLS	-0.52	3.62E-03	6.85E-03
CDK10	0.90	3.62E-03	6.86E-03
EPHA1	0.52	3.62E-03	6.86E-03
AMER2	-2.93	3.63E-03	6.86E-03
RP11-438F14.10	-4.53	3.63E-03	6.87E-03
RNU6-1025P	-3.65	3.63E-03	6.87E-03
PDCD5	0.40	3.64E-03	6.88E-03
RP11-267N12.2	-3.65	3.64E-03	6.89E-03
RP11-540O11.7	-2.61	3.64E-03	6.89E-03
ZNF764	0.46	3.64E-03	6.89E-03
GLE1	-0.25	3.64E-03	6.89E-03
EFCAB14	-0.30	3.64E-03	6.89E-03
TRAJ10	-4.07	3.64E-03	6.89E-03
SMC3	-0.39	3.65E-03	6.90E-03
RP11-66H6.4	-1.53	3.65E-03	6.90E-03
RP11-798K23.5	2.04	3.65E-03	6.91E-03
L3MBTL3	0.41	3.65E-03	6.91E-03
NDUFAF4P4	-3.42	3.65E-03	6.91E-03
RPL13AP6	-1.85	3.65E-03	6.91E-03
RBM34	-1.02	3.65E-03	6.91E-03
SDAD1P4	-4.03	3.66E-03	6.92E-03
RNU6-306P	-3.68	3.66E-03	6.92E-03
CYP4A22	-3.15	3.66E-03	6.93E-03
RN7SKP185	-3.79	3.67E-03	6.93E-03
HIGD1AP14	-3.49	3.67E-03	6.94E-03
RP4-778K6.1	-4.12	3.67E-03	6.94E-03
CTC-429P9.1	0.58	3.67E-03	6.94E-03
TMSB4XP8	0.83	3.67E-03	6.94E-03
MADCAM1	1.54	3.67E-03	6.94E-03
RP11-445N18.7	-2.09	3.67E-03	6.94E-03
XLOC_005539	-3.68	3.67E-03	6.94E-03
AC005387.3	1.98	3.68E-03	6.95E-03
IGBP1P1	-3.47	3.68E-03	6.95E-03
GPX1P1	2.11	3.68E-03	6.96E-03
AP001628.6	-3.17	3.68E-03	6.96E-03
RP11-107M16.2	-2.04	3.69E-03	6.97E-03
MLF1	-0.74	3.69E-03	6.97E-03
BNIP3P29	-4.15	3.69E-03	6.97E-03
HDAC9	-0.87	3.69E-03	6.97E-03
AL035610.1	-1.95	3.70E-03	6.98E-03
ACTR3C	-0.85	3.70E-03	6.98E-03
RP11-715H19.2	2.71	3.71E-03	7.01E-03
RNF168	-0.35	3.71E-03	7.01E-03
TUSC7	-3.99	3.71E-03	7.01E-03

RP11-206L10.3	-2.83	3.71E-03	7.01E-03
RP11-879F14.2	1.75	3.72E-03	7.02E-03
RNU1-85P	-2.88	3.72E-03	7.02E-03
AARS2	0.47	3.72E-03	7.02E-03
RP11-346C16.1	-3.53	3.72E-03	7.03E-03
GLRA3	-1.71	3.72E-03	7.03E-03
KCNK2	-1.46	3.73E-03	7.04E-03
RP11-333E13.2	-1.87	3.73E-03	7.04E-03
MRPS31P4	-1.28	3.73E-03	7.05E-03
RPL5P30	-1.36	3.74E-03	7.05E-03
MYRFL	-1.28	3.74E-03	7.05E-03
RP11-155N3.4	-3.59	3.74E-03	7.06E-03
EPN2	-0.35	3.74E-03	7.06E-03
LIFR-AS1	-0.94	3.74E-03	7.06E-03
DUSP28	-0.56	3.75E-03	7.07E-03
OSGEP	0.50	3.75E-03	7.07E-03
AC008065.1	-2.48	3.75E-03	7.07E-03
UBE2E1	0.42	3.75E-03	7.07E-03
C5orf66	-1.12	3.75E-03	7.07E-03
G39634	1.56	3.75E-03	7.08E-03
SMIM8	-0.54	3.76E-03	7.09E-03
RP11-68I3.7	-3.94	3.76E-03	7.09E-03
RP11-875O11.1	-1.96	3.76E-03	7.09E-03
LINC00578	2.33	3.76E-03	7.09E-03
SAMM50	0.37	3.76E-03	7.10E-03
RP11-551G24.2	-3.27	3.76E-03	7.10E-03
PRIM1	-0.47	3.77E-03	7.10E-03
RBP5	1.31	3.77E-03	7.10E-03
RP11-637A17.2	-2.00	3.77E-03	7.10E-03
MX2	1.13	3.77E-03	7.10E-03
AC005086.1	-3.37	3.77E-03	7.10E-03
RP11-17A1.3	-2.63	3.77E-03	7.10E-03
BUB1B	-0.52	3.77E-03	7.10E-03
RP11-347C12.1	1.81	3.77E-03	7.11E-03
PTGES3	0.36	3.77E-03	7.11E-03
THBS4	1.87	3.77E-03	7.11E-03
AC093838.4	0.68	3.78E-03	7.11E-03
ARHGAP18	0.66	3.78E-03	7.12E-03
ZNF385D-AS1	-4.02	3.78E-03	7.12E-03
NUTM2B	-1.52	3.78E-03	7.12E-03
GALR2	1.96	3.79E-03	7.13E-03
BPIFC	-0.65	3.79E-03	7.14E-03
MKS1	0.37	3.79E-03	7.15E-03
CCDC3	-0.66	3.79E-03	7.15E-03
WFDC5	0.53	3.80E-03	7.15E-03

NTNG2	1.20	3.80E-03	7.15E-03
AC005256.1	4.15	3.80E-03	7.16E-03
TRAJ12	-3.67	3.80E-03	7.16E-03
G22345	-2.10	3.81E-03	7.17E-03
SAMD11P1	-3.63	3.81E-03	7.17E-03
CTC-277H1.6	-1.33	3.81E-03	7.17E-03
FBXL2	-0.80	3.81E-03	7.17E-03
LINC01229	-1.58	3.81E-03	7.18E-03
RP11-585P4.5	0.97	3.81E-03	7.18E-03
PWAR1	-3.66	3.82E-03	7.19E-03
LTV1P1	-3.81	3.82E-03	7.19E-03
DHRS2	-3.04	3.82E-03	7.20E-03
G32324	-3.80	3.83E-03	7.20E-03
LA16c-390H2.4	-1.95	3.83E-03	7.20E-03
RP11-144A16.8	-3.52	3.83E-03	7.20E-03
RNA5SP179	-3.65	3.83E-03	7.21E-03
CTD-2619J13.19	-1.29	3.83E-03	7.21E-03
XLOC_012736	-1.02	3.83E-03	7.21E-03
XLOC_005502	-4.09	3.83E-03	7.21E-03
RP11-350F16.2	-4.26	3.84E-03	7.22E-03
RP11-310P5.1	-3.87	3.84E-03	7.22E-03
SULT1E1	-1.02	3.84E-03	7.23E-03
RP11-676J12.8	-1.53	3.84E-03	7.23E-03
RNU6-979P	-3.53	3.84E-03	7.23E-03
RP11-43D4.2	-3.59	3.84E-03	7.23E-03
RP11-326I11.3	0.85	3.85E-03	7.23E-03
RP4-800M22.2	-2.37	3.85E-03	7.24E-03
RP4-813D12.3	-1.83	3.86E-03	7.25E-03
AC017078.1	-3.77	3.86E-03	7.25E-03
AP000857.2	-3.90	3.86E-03	7.25E-03
RP4-622L5.7	-3.63	3.86E-03	7.25E-03
RP11-701H24.5	-2.41	3.86E-03	7.25E-03
FLVCR1	-0.41	3.86E-03	7.25E-03
SMIM7	-0.27	3.86E-03	7.25E-03
RNU6-1318P	-3.42	3.86E-03	7.26E-03
ZFHX2	-0.96	3.86E-03	7.26E-03
SLC50A1	0.55	3.87E-03	7.26E-03
LINC01012	-1.22	3.87E-03	7.26E-03
RP11-16N11.2	-0.95	3.87E-03	7.28E-03
SPDYE2	-1.64	3.87E-03	7.28E-03
RP11-649A18.12	0.93	3.87E-03	7.28E-03
RN7SKP74	-2.69	3.87E-03	7.28E-03
RP11-43N5.1	-2.46	3.88E-03	7.28E-03
SLC8A3	-1.57	3.88E-03	7.28E-03
PAK7	-2.27	3.88E-03	7.29E-03

XXbac-BPG154L12.4	-3.48	3.88E-03	7.29E-03
CCDC74A	0.83	3.88E-03	7.29E-03
IGHEP1	-5.44	3.88E-03	7.29E-03
AC005534.6	-3.80	3.88E-03	7.29E-03
XLOC_004156	-4.21	3.88E-03	7.29E-03
RP11-193H22.2	-3.59	3.89E-03	7.30E-03
RNU6-422P	-3.61	3.90E-03	7.31E-03
ZNF473	-0.41	3.90E-03	7.32E-03
DRG2	0.32	3.90E-03	7.32E-03
CAPRIN1	-0.29	3.90E-03	7.32E-03
C21orf62	-1.33	3.90E-03	7.32E-03
MYBPC3	-2.00	3.90E-03	7.33E-03
AC007679.3	-3.80	3.91E-03	7.33E-03
RP11-293K19.1	-3.55	3.91E-03	7.33E-03
CTA-351J1.1	-3.86	3.91E-03	7.34E-03
RN7SKP173	-2.81	3.91E-03	7.34E-03
SLC22A16	2.80	3.91E-03	7.35E-03
CTD-2515H24.3	-3.85	3.92E-03	7.35E-03
RP11-462P6.1	-3.53	3.92E-03	7.35E-03
RP11-334E6.3	-3.49	3.92E-03	7.35E-03
RP1-191J18.66	1.52	3.92E-03	7.35E-03
RP11-701H24.3	-1.42	3.92E-03	7.35E-03
RNU6-74P	-3.85	3.92E-03	7.35E-03
HS1BP3-IT1	-2.03	3.92E-03	7.36E-03
VIPR2	1.62	3.93E-03	7.38E-03
AC004812.1	-3.59	3.94E-03	7.38E-03
CFAP53	0.87	3.95E-03	7.40E-03
ITGB3BP	-0.42	3.95E-03	7.40E-03
RP11-796E2.4	0.75	3.95E-03	7.41E-03
RP11-369G6.2	-4.22	3.95E-03	7.41E-03
PRKX-AS1	-3.40	3.95E-03	7.41E-03
POLRMTP1	-2.34	3.95E-03	7.41E-03
Vault	-3.92	3.96E-03	7.42E-03
RYK	-0.29	3.96E-03	7.42E-03
RP11-637C24.5	-3.92	3.96E-03	7.43E-03
KCNQ3	1.05	3.97E-03	7.44E-03
ELAC1	-0.34	3.97E-03	7.44E-03
CTD-2011F17.2	-3.44	3.97E-03	7.44E-03
MIR4782	-3.64	3.97E-03	7.45E-03
RP11-216B9.9	-1.71	3.98E-03	7.45E-03
CENPUP2	-3.50	3.98E-03	7.46E-03
AC090952.5	-3.69	3.98E-03	7.46E-03
HOXC13	0.60	3.98E-03	7.46E-03
RPL21P65	-3.41	3.99E-03	7.47E-03
ANKRD39	-0.53	3.99E-03	7.47E-03

SPG7	0.47	3.99E-03	7.47E-03
GSE1	-0.40	3.99E-03	7.48E-03
LA16c-360H6.1	-1.55	3.99E-03	7.48E-03
CRABP1	-1.18	3.99E-03	7.48E-03
RP11-780K2.1	-3.77	3.99E-03	7.48E-03
G36605	0.64	4.00E-03	7.49E-03
NACA3P	-1.85	4.00E-03	7.50E-03
SUZ12P1	-0.70	4.01E-03	7.50E-03
RCC2P4	-3.69	4.01E-03	7.51E-03
APOPT1	0.33	4.01E-03	7.51E-03
H1FX-AS1	1.27	4.02E-03	7.52E-03
RP3-466I7.1	-3.60	4.02E-03	7.53E-03
ST8SIA5	2.64	4.02E-03	7.53E-03
WIPF2	0.30	4.02E-03	7.53E-03
RNU6-879P	-3.76	4.02E-03	7.53E-03
NAALADL2-AS3	-3.71	4.02E-03	7.53E-03
RP11-377D9.3	-1.51	4.02E-03	7.53E-03
ZNF44	-0.30	4.03E-03	7.53E-03
PEMT	0.44	4.03E-03	7.54E-03
OR2AO1P	-2.92	4.03E-03	7.54E-03
RP4-671O14.5	-4.14	4.03E-03	7.54E-03
RP11-231C14.4	-1.25	4.03E-03	7.54E-03
AP3S1	0.41	4.03E-03	7.54E-03
GGN	1.11	4.03E-03	7.54E-03
G895	1.24	4.03E-03	7.54E-03
RP11-433P17.1	-3.70	4.03E-03	7.55E-03
CTD-2340D6.2	-3.73	4.04E-03	7.55E-03
STYXL1	0.60	4.04E-03	7.55E-03
G38114	-1.81	4.04E-03	7.56E-03
LRRC37A4P	-1.67	4.04E-03	7.56E-03
G10695	-1.11	4.04E-03	7.56E-03
OPA3	0.36	4.05E-03	7.56E-03
ELMO1-AS1	-3.96	4.05E-03	7.57E-03
RP11-540B6.6	-0.79	4.06E-03	7.58E-03
RP11-588L15.2	-2.87	4.06E-03	7.59E-03
MIR570	-1.45	4.06E-03	7.59E-03
ZSCAN12	-0.45	4.06E-03	7.59E-03
RP11-496H15.2	-2.94	4.06E-03	7.60E-03
RP11-142C4.6	-1.04	4.07E-03	7.61E-03
MRPL33	0.54	4.08E-03	7.63E-03
WSCD2	1.47	4.09E-03	7.64E-03
PTCD1	-0.54	4.09E-03	7.65E-03
KLF12	-0.69	4.09E-03	7.65E-03
GCNT6	-3.40	4.10E-03	7.66E-03
CTD-2538G9.5	-2.37	4.10E-03	7.66E-03

RN7SL359P	-4.30	4.10E-03	7.66E-03
RP11-164H5.1	-3.99	4.10E-03	7.66E-03
AHDC1	0.74	4.10E-03	7.67E-03
RP11-1099M24.6	-0.95	4.10E-03	7.67E-03
SNORD88A	-2.66	4.11E-03	7.67E-03
AC007099.1	-3.69	4.11E-03	7.67E-03
RP11-807C20.2	-1.33	4.11E-03	7.67E-03
AC130352.1	-4.09	4.11E-03	7.67E-03
TYMS	0.62	4.11E-03	7.68E-03
CTC-232P5.4	-3.64	4.11E-03	7.68E-03
MIR648	-3.68	4.12E-03	7.69E-03
CTD-2047H16.3	-1.82	4.12E-03	7.69E-03
C10orf95	-1.88	4.12E-03	7.70E-03
G554	-3.09	4.12E-03	7.70E-03
G31765	0.86	4.13E-03	7.71E-03
EIF2A	-0.47	4.13E-03	7.71E-03
RP5-1159O4.2	-1.05	4.13E-03	7.71E-03
RNU6-1176P	-3.48	4.13E-03	7.71E-03
EEF1GP1	-4.12	4.13E-03	7.71E-03
Z98044.1	-3.42	4.13E-03	7.72E-03
MIR4427	-3.63	4.13E-03	7.72E-03
MIR199A1	-2.69	4.14E-03	7.73E-03
RNU6-584P	-3.48	4.15E-03	7.74E-03
RP11-129B9.2	-3.09	4.15E-03	7.74E-03
RP11-69H7.4	-3.80	4.15E-03	7.74E-03
CTB-193M12.3	-1.53	4.15E-03	7.74E-03
TTC7A	0.44	4.15E-03	7.75E-03
RP11-588L15.1	-3.94	4.15E-03	7.75E-03
CHDH	0.99	4.16E-03	7.75E-03
MIR30C1	-3.54	4.16E-03	7.76E-03
P2RY12	-1.75	4.16E-03	7.77E-03
C1QTNF3-AMACR	-3.40	4.17E-03	7.77E-03
HSPA4	-0.47	4.17E-03	7.77E-03
RP11-527F13.1	-2.66	4.17E-03	7.78E-03
RP11-330M2.4	-2.04	4.18E-03	7.79E-03
DENND1C	0.52	4.18E-03	7.79E-03
RP11-616M17.1	-2.54	4.18E-03	7.79E-03
DDX55P1	2.72	4.18E-03	7.79E-03
RP11-93O14.1	-3.65	4.18E-03	7.80E-03
CACHD1	0.63	4.19E-03	7.81E-03
NFKBID	0.60	4.19E-03	7.81E-03
TATDN2	0.41	4.19E-03	7.81E-03
RP11-713H12.2	-3.51	4.20E-03	7.82E-03
PAN3-AS1	-0.87	4.20E-03	7.83E-03
RPS10P14	-3.81	4.20E-03	7.83E-03

KB-1460A1.1	-1.49	4.20E-03	7.83E-03
BTLA	-1.54	4.20E-03	7.83E-03
SLC34A3	-1.53	4.21E-03	7.84E-03
NAPSB	0.83	4.21E-03	7.84E-03
RP3-471C18.2	-3.77	4.21E-03	7.85E-03
MIR30B	-3.86	4.21E-03	7.85E-03
RP11-556O9.3	-3.21	4.22E-03	7.85E-03
SLC35G2	1.17	4.22E-03	7.85E-03
RPP30	-0.26	4.22E-03	7.86E-03
RP11-709A23.2	-1.60	4.22E-03	7.86E-03
RNU6-490P	-3.66	4.22E-03	7.87E-03
RNU6-975P	-3.56	4.23E-03	7.87E-03
BTNL8	-3.69	4.23E-03	7.87E-03
AKTIP	-0.43	4.23E-03	7.88E-03
RP11-101E7.2	-2.91	4.23E-03	7.88E-03
GGTA1P	0.80	4.23E-03	7.88E-03
SCOCP1	-2.54	4.24E-03	7.89E-03
ABCC2	-0.61	4.24E-03	7.89E-03
RP11-1060G2.2	-3.46	4.24E-03	7.89E-03
RP11-449L13.2	-3.32	4.24E-03	7.89E-03
AC010967.2	-3.25	4.24E-03	7.89E-03
RP11-644F5.10	-1.45	4.24E-03	7.90E-03
G38278	-3.29	4.25E-03	7.90E-03
CACNA1I	-1.73	4.25E-03	7.91E-03
PPM1E	-1.44	4.25E-03	7.91E-03
GLIPR1L1	-1.33	4.25E-03	7.91E-03
RNU7-160P	-3.69	4.26E-03	7.92E-03
HMGN3	0.43	4.26E-03	7.92E-03
RNASEK	1.09	4.26E-03	7.92E-03
G32126	-1.70	4.26E-03	7.93E-03
HNRNPKP4	-3.33	4.26E-03	7.93E-03
MORF4L2-AS1	-1.27	4.26E-03	7.93E-03
EP400NL	0.73	4.26E-03	7.93E-03
RP11-403P17.6	-1.80	4.26E-03	7.93E-03
RECQL5	0.55	4.27E-03	7.94E-03
SFXN3	0.44	4.27E-03	7.94E-03
RP1-197B17.5	-1.55	4.27E-03	7.95E-03
AC024937.6	-1.62	4.27E-03	7.95E-03
PIP4K2B	0.22	4.28E-03	7.96E-03
GAPDHP22	-3.64	4.29E-03	7.98E-03
RPL34P6	-2.14	4.30E-03	7.99E-03
RP11-578F21.2	-3.28	4.30E-03	7.99E-03
ERO1B	-0.52	4.30E-03	7.99E-03
RP5-1065J22.8	0.95	4.31E-03	8.01E-03
POLR3C	0.28	4.32E-03	8.02E-03

COLQ	0.94	4.32E-03	8.03E-03
RP11-428C19.5	-3.44	4.32E-03	8.03E-03
RP5-1125A11.7	-0.91	4.32E-03	8.03E-03
SERPINB5	-0.67	4.32E-03	8.03E-03
HMGB1	0.47	4.33E-03	8.04E-03
LINC01534	-0.69	4.33E-03	8.04E-03
RP11-13K12.5	2.10	4.33E-03	8.05E-03
NR2E3	-1.70	4.33E-03	8.05E-03
SNORD116	-3.52	4.34E-03	8.06E-03
RP11-395N3.2	-3.13	4.34E-03	8.06E-03
RPS3AP2	-3.43	4.34E-03	8.06E-03
MTMR9LP	1.10	4.34E-03	8.06E-03
FAM86KP	-2.91	4.34E-03	8.06E-03
VPS11	0.27	4.34E-03	8.06E-03
MIR3973	-3.61	4.35E-03	8.07E-03
PCDHGA3	-0.85	4.35E-03	8.07E-03
VN1R85P	-4.01	4.35E-03	8.07E-03
RP11-762H8.2	-1.19	4.35E-03	8.08E-03
FHDC1	0.52	4.35E-03	8.08E-03
CDC42P6	-1.45	4.35E-03	8.08E-03
TNS3	0.75	4.35E-03	8.08E-03
RP11-449L23.2	-1.80	4.36E-03	8.09E-03
GSTZ1	0.28	4.36E-03	8.10E-03
CYB561A3	-0.56	4.36E-03	8.10E-03
PPIEL	-1.45	4.37E-03	8.10E-03
TTC12	-0.58	4.37E-03	8.10E-03
CCDC180	-1.47	4.37E-03	8.10E-03
RP3-509I19.6	-2.99	4.37E-03	8.11E-03
VSIG1	1.08	4.37E-03	8.11E-03
NABP1	0.71	4.38E-03	8.12E-03
EOGT	0.47	4.38E-03	8.13E-03
PHBP15	-2.59	4.38E-03	8.13E-03
G39546	3.17	4.38E-03	8.13E-03
KB-1958F4.2	-3.88	4.38E-03	8.13E-03
SNED1	0.96	4.39E-03	8.14E-03
SWAP70	-0.35	4.39E-03	8.14E-03
CTD-2561B21.4	-3.34	4.39E-03	8.14E-03
RNPS1P1	-3.47	4.39E-03	8.14E-03
RP3-467L1.4	-1.80	4.39E-03	8.15E-03
RGPD3	-1.12	4.39E-03	8.15E-03
SKI	0.54	4.40E-03	8.16E-03
RP11-266L9.3	-2.50	4.40E-03	8.16E-03
UPK1A-AS1	-3.69	4.41E-03	8.17E-03
OTOGL	-1.85	4.41E-03	8.17E-03
RNU6-135P	-3.71	4.41E-03	8.17E-03

AC010243.1	-3.57	4.41E-03	8.18E-03
RP11-162A23.5	-3.86	4.42E-03	8.18E-03
RP11-357H14.16	-3.65	4.42E-03	8.19E-03
G36510	-1.21	4.43E-03	8.20E-03
TTC39A-AS1	-2.30	4.43E-03	8.21E-03
RP4-713B5.2	-2.09	4.43E-03	8.21E-03
AK9	-0.45	4.43E-03	8.21E-03
SEC1P	1.46	4.43E-03	8.21E-03
BZW2	-0.36	4.44E-03	8.22E-03
RN7SL463P	-3.66	4.44E-03	8.23E-03
KIAA1586	-0.44	4.44E-03	8.23E-03
FAM3D	1.46	4.45E-03	8.24E-03
FAM72C	-2.08	4.45E-03	8.24E-03
LEKR1	-0.94	4.45E-03	8.25E-03
CCR6	-3.40	4.45E-03	8.25E-03
CABIN1	0.42	4.46E-03	8.25E-03
LARP1P1	-3.70	4.46E-03	8.25E-03
RP11-806L2.2	-3.13	4.46E-03	8.27E-03
RP11-102G14.1	-1.53	4.46E-03	8.27E-03
INPP5D	0.57	4.47E-03	8.28E-03
LINC00596	-3.40	4.47E-03	8.28E-03
RBPMS-AS1	1.84	4.47E-03	8.28E-03
MIR548Q	-3.56	4.47E-03	8.28E-03
TMEM163	1.81	4.48E-03	8.29E-03
XLOC_005411	-3.38	4.48E-03	8.29E-03
KCNE3	1.15	4.48E-03	8.30E-03
STPG1	0.47	4.49E-03	8.31E-03
CDKN2AIPNL	0.42	4.49E-03	8.31E-03
MCM3AP	-0.28	4.49E-03	8.32E-03
RP11-295D4.5	-1.74	4.50E-03	8.32E-03
XLOC_001223	-1.41	4.50E-03	8.32E-03
G41963	2.79	4.50E-03	8.32E-03
ZNF137P	-0.68	4.50E-03	8.33E-03
KCNT2	-1.10	4.50E-03	8.33E-03
SNAP23	0.31	4.50E-03	8.33E-03
HOXA10	0.77	4.50E-03	8.33E-03
SRSF8	0.39	4.50E-03	8.33E-03
RN7SL587P	1.85	4.51E-03	8.33E-03
PIRT	2.48	4.51E-03	8.34E-03
ENOSF1	-0.81	4.51E-03	8.34E-03
RP11-445F6.2	-3.59	4.52E-03	8.36E-03
TKTL1	2.12	4.52E-03	8.36E-03
GINM1	0.38	4.53E-03	8.37E-03
INTS12	0.27	4.53E-03	8.37E-03
POU6F1	0.55	4.53E-03	8.37E-03

RP11-925D8.3	-3.91	4.53E-03	8.38E-03
ZNF630-AS1	-4.00	4.54E-03	8.38E-03
RP11-407B7.1	-1.89	4.54E-03	8.40E-03
FEM1A	-0.64	4.54E-03	8.40E-03
AC011999.1	-3.41	4.54E-03	8.40E-03
EFHB	-1.79	4.55E-03	8.41E-03
LINC00310	1.79	4.56E-03	8.42E-03
MAATS1	-1.09	4.56E-03	8.42E-03
NTRK2	0.80	4.56E-03	8.43E-03
LINC00857	1.68	4.56E-03	8.43E-03
ZNF285B	-1.91	4.56E-03	8.43E-03
SLC2A11	0.65	4.56E-03	8.43E-03
FAM86EP	-0.65	4.57E-03	8.44E-03
RP11-415F23.2	-1.18	4.57E-03	8.44E-03
SPSB2	0.63	4.57E-03	8.44E-03
RP11-452K12.6	-3.69	4.58E-03	8.46E-03
RPS2P5	1.47	4.58E-03	8.46E-03
ABI2	-0.36	4.58E-03	8.46E-03
RRM1-AS1	-3.67	4.59E-03	8.47E-03
RP11-113A11.3	-3.47	4.59E-03	8.47E-03
FCGR3B	1.62	4.59E-03	8.47E-03
CTD-3065J16.9	1.24	4.59E-03	8.48E-03
RP11-300D11.3	-3.39	4.59E-03	8.48E-03
DNAH3	-0.59	4.60E-03	8.48E-03
TSSK6	0.76	4.60E-03	8.50E-03
INCA1	0.79	4.61E-03	8.50E-03
RTP3	-3.39	4.61E-03	8.50E-03
RN7SL414P	-3.47	4.61E-03	8.51E-03
RNU6-1226P	-3.73	4.61E-03	8.51E-03
WFDC13	-3.38	4.61E-03	8.52E-03
RP11-84D1.1	-1.98	4.62E-03	8.52E-03
CTD-2506P8.6	0.94	4.62E-03	8.52E-03
ATP2B3	-2.01	4.62E-03	8.53E-03
CTB-180A7.6	-3.33	4.63E-03	8.55E-03
GDI2P2	-2.02	4.63E-03	8.55E-03
AMOT	-0.56	4.64E-03	8.56E-03
AL359542.1	-3.49	4.64E-03	8.56E-03
NLRP1	0.53	4.64E-03	8.56E-03
RP4-737E23.2	1.33	4.64E-03	8.57E-03
RPL23AP70	-3.77	4.65E-03	8.57E-03
RP11-312O7.2	-0.68	4.65E-03	8.57E-03
GPHN	-0.36	4.65E-03	8.58E-03
GINS1	-0.44	4.66E-03	8.59E-03
G25440	-3.55	4.66E-03	8.59E-03
RP11-319E16.2	-3.97	4.66E-03	8.59E-03

MIR455	-3.60	4.66E-03	8.60E-03
UBXN11	0.79	4.66E-03	8.60E-03
SLC38A11	1.53	4.66E-03	8.60E-03
KRT1	1.16	4.66E-03	8.60E-03
CIDECP	0.57	4.67E-03	8.60E-03
ARR3	-1.08	4.67E-03	8.60E-03
LA16c-380H5.5	-2.74	4.67E-03	8.60E-03
MIRLET7D	-1.38	4.67E-03	8.60E-03
INTS9	0.30	4.67E-03	8.61E-03
PDCL3P6	-3.60	4.68E-03	8.62E-03
GPR88	3.30	4.68E-03	8.62E-03
ZIC4	1.69	4.68E-03	8.62E-03
LY75	-0.81	4.68E-03	8.62E-03
UTP3	0.35	4.68E-03	8.63E-03
LINC00323	1.95	4.68E-03	8.63E-03
AC090427.1	-3.61	4.69E-03	8.63E-03
G2608	4.04	4.69E-03	8.63E-03
CYTH3	0.33	4.69E-03	8.64E-03
PITX2	1.66	4.70E-03	8.65E-03
RP11-390E23.6	-0.50	4.70E-03	8.65E-03
ATP5F1P7	-3.60	4.70E-03	8.66E-03
RP11-174G6.1	-1.26	4.70E-03	8.66E-03
PNN	0.44	4.71E-03	8.67E-03
OR7E91P	1.20	4.72E-03	8.68E-03
bP-2189O9.2	1.99	4.72E-03	8.68E-03
MIR3138	-3.34	4.72E-03	8.68E-03
ZNF783	0.49	4.72E-03	8.69E-03
RNA5SP395	-3.61	4.72E-03	8.70E-03
RP11-434H6.6	2.33	4.72E-03	8.70E-03
AL136218.1	-3.91	4.73E-03	8.70E-03
RP11-486M23.1	-3.92	4.74E-03	8.72E-03
U2AF1L4	1.21	4.74E-03	8.72E-03
CCR5	1.30	4.74E-03	8.72E-03
XLOC_003787	-1.63	4.74E-03	8.73E-03
STKLD1	-0.86	4.74E-03	8.73E-03
RP11-497D6.5	-3.75	4.75E-03	8.73E-03
COL11A2	1.01	4.75E-03	8.74E-03
RP11-446H18.5	-1.85	4.75E-03	8.75E-03
KRT18P60	-3.66	4.75E-03	8.75E-03
BCL9P1	-3.86	4.76E-03	8.75E-03
CTD-2287O16.4	-3.48	4.76E-03	8.76E-03
CYP2T3P	-3.90	4.76E-03	8.76E-03
CTC-548K16.6	3.33	4.76E-03	8.76E-03
NPIPA5	2.03	4.76E-03	8.76E-03
UTP14A	0.43	4.76E-03	8.76E-03

LL21NC02-1C16.1	2.20	4.77E-03	8.77E-03
NSDHL	0.81	4.77E-03	8.78E-03
CTA-243E7.2	-2.95	4.77E-03	8.78E-03
SNORA4	-2.98	4.78E-03	8.78E-03
ACTG1P1	-1.59	4.78E-03	8.79E-03
RP11-290L1.4	-3.30	4.78E-03	8.79E-03
AC073257.2	4.14	4.78E-03	8.79E-03
RP11-205A8.3	-3.74	4.78E-03	8.79E-03
RP11-158H5.7	-0.53	4.78E-03	8.80E-03
MIR4697HG	-1.07	4.79E-03	8.80E-03
PLB1	-0.61	4.79E-03	8.81E-03
HLCS	-0.92	4.80E-03	8.81E-03
KCNJ5	0.95	4.80E-03	8.82E-03
TRAJ39	-3.22	4.80E-03	8.82E-03
RP11-268I9.1	-3.49	4.80E-03	8.83E-03
HARS2	0.30	4.81E-03	8.84E-03
LGALS8-AS1	-1.94	4.81E-03	8.84E-03
CRYZL1	-0.31	4.81E-03	8.85E-03
RPL7L1P9	-3.45	4.82E-03	8.85E-03
RP11-434B12.1	-0.85	4.82E-03	8.86E-03
MANSC1	0.35	4.83E-03	8.88E-03
RP3-333A15.2	-1.12	4.84E-03	8.88E-03
DBIL5P2	-1.43	4.84E-03	8.89E-03
RPL23AP82	0.66	4.84E-03	8.89E-03
FAM153C	-1.90	4.85E-03	8.90E-03
MIR558	-3.70	4.85E-03	8.90E-03
RBM22P4	-3.52	4.85E-03	8.90E-03
UGGT2	-0.53	4.85E-03	8.91E-03
RP1-193H18.2	-0.63	4.85E-03	8.91E-03
HMGN2P20	-3.61	4.86E-03	8.93E-03
RP11-732M18.2	-3.71	4.87E-03	8.93E-03
PACRG-AS3	-3.45	4.87E-03	8.94E-03
AL590084.1	-3.40	4.88E-03	8.95E-03
CLVS2	-2.49	4.88E-03	8.96E-03
ADAM11	0.79	4.88E-03	8.96E-03
GPHA2	-3.48	4.88E-03	8.96E-03
MYOZ3	1.53	4.88E-03	8.96E-03
RP11-109N23.4	-1.78	4.88E-03	8.96E-03
APOBEC3H	2.28	4.89E-03	8.97E-03
LA16c-313D11.12	-0.75	4.89E-03	8.97E-03
ATAT1	0.66	4.89E-03	8.97E-03
MYO18B	-3.02	4.89E-03	8.97E-03
ATP5B	0.35	4.90E-03	8.99E-03
SMIM5	0.61	4.90E-03	8.99E-03
RNU1-134P	-3.23	4.91E-03	9.00E-03

CTD-2561J22.2	-1.01	4.91E-03	9.01E-03
TCEB3C	-3.97	4.92E-03	9.03E-03
SNORD62	-3.52	4.92E-03	9.03E-03
RP11-313A24.1	-2.60	4.93E-03	9.05E-03
RP11-507K13.6	-1.50	4.94E-03	9.06E-03
ARMCX5	-0.41	4.94E-03	9.06E-03
CA5BP1	0.58	4.94E-03	9.06E-03
RP11-113K21.1	-3.55	4.95E-03	9.07E-03
NECAP1P2	-3.28	4.95E-03	9.08E-03
AC013448.1	-3.73	4.95E-03	9.08E-03
MIR3136	-3.45	4.96E-03	9.09E-03
TFF3	1.22	4.96E-03	9.09E-03
snoR442	-2.59	4.96E-03	9.09E-03
RP11-434H14.1	-3.54	4.96E-03	9.09E-03
HNRNPA3P7	-3.63	4.96E-03	9.09E-03
AC084290.2	-3.74	4.96E-03	9.10E-03
APOM	-0.61	4.97E-03	9.11E-03
CCL7	4.14	4.97E-03	9.11E-03
SLC25A23	0.57	4.97E-03	9.11E-03
RP11-613C6.2	-3.33	4.98E-03	9.12E-03
LIPI	-2.94	4.99E-03	9.14E-03
G22291	-1.47	4.99E-03	9.14E-03
CTD-3252C9.4	-0.96	4.99E-03	9.14E-03
PSPH	0.57	4.99E-03	9.14E-03
OR7E128P	-1.46	4.99E-03	9.15E-03
SERPINI2	-3.47	5.00E-03	9.15E-03
STXBP5L	-1.75	5.00E-03	9.16E-03
RP11-638I2.2	-1.31	5.00E-03	9.16E-03
TRAJ34	-3.77	5.00E-03	9.16E-03
RN7SL208P	-1.62	5.00E-03	9.16E-03
GID4	-0.33	5.01E-03	9.17E-03
LMOD2	-2.83	5.01E-03	9.17E-03
PIN4	0.50	5.02E-03	9.18E-03
AC016644.1	-3.36	5.02E-03	9.19E-03
RP1-244F24.1	1.76	5.02E-03	9.19E-03
CTD-2506J14.1	-3.44	5.02E-03	9.19E-03
GYPB	-3.94	5.02E-03	9.19E-03
RN7SL788P	-3.16	5.03E-03	9.20E-03
WDSUB1	-0.52	5.03E-03	9.20E-03
C11orf80	-0.44	5.03E-03	9.21E-03
AC009411.1	-3.73	5.03E-03	9.21E-03
MAGEL2	2.52	5.03E-03	9.21E-03
RP11-76C10.4	-3.96	5.05E-03	9.23E-03
CTA-363E6.2	-3.66	5.05E-03	9.23E-03
RNU6-268P	-3.66	5.06E-03	9.26E-03

RNF4	0.22	5.06E-03	9.26E-03
RP1-267D11.1	-3.48	5.06E-03	9.26E-03
DBI	0.61	5.06E-03	9.26E-03
RNU6-619P	-3.34	5.06E-03	9.26E-03
MCFD2	0.33	5.07E-03	9.27E-03
FAM45A	0.35	5.09E-03	9.31E-03
WNK4	-1.12	5.09E-03	9.31E-03
BCRP8	-3.52	5.10E-03	9.33E-03
RP11-352B15.2	-3.38	5.10E-03	9.33E-03
MIR221	-1.90	5.11E-03	9.35E-03
RNA5SP129	-3.84	5.11E-03	9.35E-03
BICC1	1.21	5.12E-03	9.36E-03
SYNGR3	1.28	5.12E-03	9.36E-03
TSPAN6	0.82	5.12E-03	9.37E-03
G4061	-1.10	5.12E-03	9.37E-03
LHCGR	-2.96	5.12E-03	9.37E-03
RCAN1	0.62	5.12E-03	9.37E-03
AGK	-0.28	5.12E-03	9.37E-03
C6orf106	0.34	5.13E-03	9.38E-03
RP11-863P13.3	2.86	5.13E-03	9.38E-03
FLRT1	-1.52	5.13E-03	9.38E-03
CTD-2547L24.4	2.24	5.14E-03	9.39E-03
RP11-160H22.3	-3.76	5.14E-03	9.40E-03
CTB-12O2.1	-3.59	5.14E-03	9.40E-03
MTSS1	-0.28	5.14E-03	9.40E-03
STX18-IT1	-2.58	5.15E-03	9.41E-03
RP5-994D16.9	-0.67	5.15E-03	9.41E-03
RP11-366L5.1	-0.86	5.15E-03	9.42E-03
RN7SL308P	-3.25	5.16E-03	9.42E-03
RPL5P4	-1.18	5.16E-03	9.42E-03
RTN4R	-0.58	5.16E-03	9.43E-03
RN7SL263P	-2.36	5.16E-03	9.43E-03
G35259	-2.18	5.17E-03	9.44E-03
SLC4A1AP	0.31	5.18E-03	9.45E-03
RP11-426J5.2	-3.41	5.18E-03	9.46E-03
ITPKB	0.40	5.18E-03	9.47E-03
SNORD115	-3.52	5.19E-03	9.48E-03
CYP2C19	-3.74	5.19E-03	9.48E-03
CTA-276O3.4	-2.56	5.19E-03	9.48E-03
RP11-198M15.1	-3.33	5.21E-03	9.51E-03
RP6-24A23.8	-3.58	5.21E-03	9.51E-03
FAM24B	-1.13	5.21E-03	9.51E-03
ATF3	1.17	5.22E-03	9.53E-03
RP11-624M8.1	2.62	5.23E-03	9.54E-03
RNF165	-0.75	5.23E-03	9.54E-03

AC005162.4	-3.61	5.24E-03	9.55E-03
EI24	0.41	5.24E-03	9.56E-03
NUSAP1	-0.54	5.24E-03	9.57E-03
RP11-343B5.1	1.71	5.25E-03	9.57E-03
SHMT1P1	-3.32	5.25E-03	9.59E-03
NDE1	0.31	5.25E-03	9.59E-03
LINC01430	-3.71	5.26E-03	9.59E-03
RPL12P13	-3.67	5.26E-03	9.59E-03
RP3-521E19.3	-3.63	5.26E-03	9.59E-03
NUTF2P6	2.31	5.26E-03	9.59E-03
RP11-1072C15.1	-3.50	5.26E-03	9.60E-03
GTF3AP2	-3.55	5.27E-03	9.60E-03
PIN4P1	-3.55	5.27E-03	9.60E-03
RP11-404P21.6	-3.78	5.27E-03	9.61E-03
YTHDF3-AS1	0.94	5.28E-03	9.63E-03
G21880	-3.03	5.28E-03	9.63E-03
F11R	0.35	5.29E-03	9.64E-03
AF121897.4	-3.75	5.29E-03	9.64E-03
MAST4-IT1	-3.79	5.29E-03	9.64E-03
MIR550A3	-3.63	5.29E-03	9.64E-03
RP11-186B7.4	-3.21	5.29E-03	9.64E-03
HDDC3	0.52	5.29E-03	9.65E-03
RP11-415F23.3	-1.63	5.29E-03	9.65E-03
ASIC2	-1.64	5.30E-03	9.65E-03
CEP170P1	-1.23	5.30E-03	9.65E-03
PIPOX	-0.98	5.30E-03	9.66E-03
SCAP	0.34	5.30E-03	9.66E-03
G6277	-0.62	5.31E-03	9.67E-03
RP11-100L22.1	2.52	5.32E-03	9.68E-03
RAN	0.48	5.32E-03	9.69E-03
SLC35E4	0.61	5.32E-03	9.69E-03
ANKRD20A5P	2.00	5.33E-03	9.70E-03
DPEP2	1.34	5.33E-03	9.71E-03
LINC01213	-2.09	5.33E-03	9.72E-03
RP13-46H24.1	-2.12	5.33E-03	9.72E-03
C20orf202	1.11	5.34E-03	9.73E-03
CHCHD1	0.41	5.34E-03	9.73E-03
XLOC_007614	-2.17	5.34E-03	9.73E-03
RP11-375N9.2	-3.71	5.35E-03	9.75E-03
ZNF595	-0.75	5.37E-03	9.78E-03
RNA5SP238	-3.94	5.37E-03	9.78E-03
C1orf74	-0.53	5.38E-03	9.80E-03
PIGL	-0.74	5.39E-03	9.82E-03
RNU7-140P	-3.22	5.39E-03	9.82E-03
RNGTTP1	-3.37	5.40E-03	9.83E-03

CKM	-1.68	5.40E-03	9.83E-03
GS1-114I9.3	-3.18	5.40E-03	9.83E-03
HDAC1P2	-1.66	5.40E-03	9.83E-03
RSRC1	-0.37	5.41E-03	9.84E-03
CYP3A43	-3.52	5.41E-03	9.84E-03
LINC00968	1.89	5.41E-03	9.85E-03
TCTEX1D4	-1.71	5.41E-03	9.85E-03
RP11-570L15.1	-3.62	5.42E-03	9.85E-03
CTD-2086O20.1	-3.89	5.42E-03	9.85E-03
RPS12P31	-3.30	5.43E-03	9.87E-03
RNA5SP260	-3.54	5.43E-03	9.87E-03
ZMYND8	0.30	5.43E-03	9.88E-03
RP11-303G3.9	-3.94	5.43E-03	9.88E-03
PVRL3	-0.83	5.44E-03	9.89E-03
XLOC_002788	-1.77	5.44E-03	9.89E-03
RNU5E-3P	-4.05	5.45E-03	9.90E-03
YWHABP2	-1.78	5.45E-03	9.91E-03
RPL12P41	-3.37	5.45E-03	9.91E-03
GRM7-AS1	-2.11	5.46E-03	9.92E-03
NPM1P24	-3.46	5.46E-03	9.93E-03
YAP1P1	-1.84	5.46E-03	9.93E-03
IGFL2	-0.84	5.47E-03	9.94E-03
UXS1	0.38	5.47E-03	9.94E-03
LINC00640	-0.52	5.47E-03	9.94E-03
RP11-692P14.1	-3.76	5.47E-03	9.95E-03
FAM72D	-0.88	5.48E-03	9.96E-03
EMC2	0.34	5.49E-03	9.98E-03
LDHAP3	-3.72	5.49E-03	9.98E-03
RP11-353N4.2	-2.96	5.49E-03	9.99E-03
RP11-513D5.2	-3.25	5.50E-03	9.99E-03
G10019	-1.67	5.50E-03	9.99E-03
GABPA	-0.42	5.50E-03	9.99E-03
G32202	-2.46	5.50E-03	1.00E-02
RN7SKP92	-3.63	5.50E-03	1.00E-02
MGP	1.09	5.51E-03	1.00E-02
WNK2	-1.21	5.51E-03	1.00E-02
POFUT1	0.27	5.51E-03	1.00E-02
RP11-426C22.5	1.24	5.52E-03	1.00E-02
FBXO36	-0.51	5.52E-03	1.00E-02
B4GALT4	-0.27	5.52E-03	1.00E-02
LINC01153	-4.11	5.52E-03	1.00E-02
RP11-615I2.1	2.95	5.53E-03	1.00E-02
RP11-408A13.4	-1.53	5.53E-03	1.00E-02
RP11-234K19.1	-1.92	5.53E-03	1.00E-02
CTD-2323K18.1	-1.66	5.53E-03	1.00E-02

AL137846.1	-3.15	5.54E-03	1.00E-02
CD28	1.57	5.54E-03	1.01E-02
G28011	-3.88	5.56E-03	1.01E-02
CFAP161	-1.73	5.56E-03	1.01E-02
RP11-73G16.3	-3.61	5.56E-03	1.01E-02
LINCR-0001	-1.41	5.57E-03	1.01E-02
RP1-71H19.2	-3.43	5.57E-03	1.01E-02
SLC25A3	0.34	5.58E-03	1.01E-02
RP11-14I17.2	-1.86	5.58E-03	1.01E-02
RP11-390K5.3	-3.69	5.58E-03	1.01E-02
SLC6A6P1	-3.84	5.59E-03	1.01E-02
ABCC9	1.09	5.59E-03	1.01E-02
FAM21EP	1.03	5.59E-03	1.01E-02
SPNS1	1.59	5.59E-03	1.01E-02
GS1-124K5.10	-1.10	5.60E-03	1.02E-02
LDHAL6FP	-3.49	5.60E-03	1.02E-02
XLOC_012720	-3.33	5.60E-03	1.02E-02
RP11-61K9.2	-2.36	5.61E-03	1.02E-02
SF3A3	0.30	5.61E-03	1.02E-02
XLOC_007556	-0.95	5.61E-03	1.02E-02
RP11-363J17.1	-3.66	5.61E-03	1.02E-02
MT-TH	-4.37	5.61E-03	1.02E-02
VSTM2L	-1.27	5.62E-03	1.02E-02
PRRG2	0.53	5.62E-03	1.02E-02
AC009014.3	-1.98	5.62E-03	1.02E-02
RNU6-1201P	-3.34	5.63E-03	1.02E-02
ARL10	-0.69	5.63E-03	1.02E-02
ERICH6	-1.84	5.63E-03	1.02E-02
ABCA4	-1.32	5.63E-03	1.02E-02
AC096579.13	-1.57	5.64E-03	1.02E-02
RP11-666A8.8	-1.90	5.64E-03	1.02E-02
XLOC_000757	-2.68	5.64E-03	1.02E-02
AC012370.2	-1.91	5.64E-03	1.02E-02
KARS	0.33	5.65E-03	1.02E-02
ERN2	2.51	5.65E-03	1.02E-02
NFAM1	1.05	5.65E-03	1.02E-02
LINC00539	-1.03	5.66E-03	1.03E-02
RP1-67K17.4	-2.14	5.67E-03	1.03E-02
IQCD	0.88	5.67E-03	1.03E-02
TGIF2P1	-2.35	5.67E-03	1.03E-02
PRKAA1	-0.34	5.67E-03	1.03E-02
XLOC_003364	-2.44	5.68E-03	1.03E-02
RP11-6I2.3	3.21	5.68E-03	1.03E-02
CTC-281F24.1	-1.32	5.68E-03	1.03E-02
LIPM	-0.88	5.68E-03	1.03E-02

IGKV3-15	7.19	5.68E-03	1.03E-02
U91328.2	-3.67	5.68E-03	1.03E-02
EPSTI1	1.45	5.69E-03	1.03E-02
RP11-121A14.3	-3.17	5.69E-03	1.03E-02
SNRNP48	-0.31	5.70E-03	1.03E-02
XLOC_005479	-1.18	5.70E-03	1.03E-02
RNA5SP345	-3.55	5.70E-03	1.03E-02
CTC-507E2.2	-3.43	5.70E-03	1.03E-02
IGFL1	2.41	5.71E-03	1.03E-02
CDC23	-0.33	5.71E-03	1.03E-02
MIR5192	-3.60	5.71E-03	1.03E-02
TAF13P2	-3.28	5.72E-03	1.03E-02
MMP12	-2.99	5.72E-03	1.03E-02
CANX	-0.36	5.72E-03	1.04E-02
UBA7	0.62	5.73E-03	1.04E-02
RNU6-455P	-3.59	5.73E-03	1.04E-02
HES7	2.46	5.73E-03	1.04E-02
NINJ2	0.83	5.73E-03	1.04E-02
G43442	2.86	5.74E-03	1.04E-02
MIRLET7A1	-1.53	5.74E-03	1.04E-02
CEP95	-0.48	5.75E-03	1.04E-02
CTD-2650P22.2	1.42	5.75E-03	1.04E-02
DHX34	0.50	5.76E-03	1.04E-02
GPRASP2	-0.46	5.76E-03	1.04E-02
EEF1GP4	-2.62	5.76E-03	1.04E-02
HAVCR2	1.00	5.77E-03	1.04E-02
DCK	-0.51	5.77E-03	1.04E-02
CTD-2291D10.4	-2.43	5.77E-03	1.04E-02
HSD17B1P1	0.82	5.77E-03	1.04E-02
RP11-59O6.3	-3.62	5.77E-03	1.04E-02
PIM2	0.55	5.77E-03	1.04E-02
AC097721.1	-2.69	5.78E-03	1.04E-02
MMP28	-0.66	5.78E-03	1.04E-02
RP11-53B2.4	-2.69	5.78E-03	1.05E-02
RP4-778K6.3	-1.61	5.79E-03	1.05E-02
HAAO	0.61	5.79E-03	1.05E-02
RP11-44F14.5	-1.80	5.79E-03	1.05E-02
PRODH	-1.07	5.80E-03	1.05E-02
ADCY10P1	-0.90	5.81E-03	1.05E-02
TLR5	0.80	5.81E-03	1.05E-02
LINC00865	1.85	5.81E-03	1.05E-02
OR52B5P	-3.59	5.81E-03	1.05E-02
PCGF6	0.44	5.81E-03	1.05E-02
NCR1	2.43	5.81E-03	1.05E-02
NPY6R	-2.98	5.83E-03	1.05E-02

SETP21	-2.48	5.83E-03	1.05E-02
CTC-571O20.1	-3.58	5.83E-03	1.05E-02
ZHX1-C8orf76	-3.39	5.83E-03	1.05E-02
SNHG17	0.76	5.84E-03	1.05E-02
GJA6P	-3.56	5.84E-03	1.05E-02
POLE3	0.40	5.85E-03	1.06E-02
LHFPL2	0.90	5.85E-03	1.06E-02
RP11-145A3.1	2.33	5.85E-03	1.06E-02
DDX43P1	-4.02	5.85E-03	1.06E-02
LINC01073	-2.05	5.85E-03	1.06E-02
FERP1	-3.63	5.85E-03	1.06E-02
CASC19	-3.24	5.85E-03	1.06E-02
RP11-1023L17.2	-1.30	5.86E-03	1.06E-02
RP11-810D13.1	-2.18	5.86E-03	1.06E-02
RPL29P24	-2.74	5.86E-03	1.06E-02
RP11-192N10.2	-3.52	5.86E-03	1.06E-02
XLOC_007506	-2.31	5.87E-03	1.06E-02
CAPN3	-1.03	5.88E-03	1.06E-02
AP3S2	0.35	5.88E-03	1.06E-02
RP11-108L7.14	-3.09	5.88E-03	1.06E-02
AC092964.1	-3.20	5.89E-03	1.06E-02
SLX4	0.55	5.89E-03	1.06E-02
TUBB4BP2	-3.70	5.89E-03	1.06E-02
KRT17P1	-4.26	5.89E-03	1.06E-02
DTX2P1	-0.99	5.90E-03	1.06E-02
RP11-380L11.4	2.09	5.90E-03	1.06E-02
LDLRAD2	0.98	5.91E-03	1.07E-02
MIR4755	-3.14	5.91E-03	1.07E-02
SCUBE1	-1.32	5.91E-03	1.07E-02
UBE2D4	-0.34	5.92E-03	1.07E-02
NRON	-3.51	5.92E-03	1.07E-02
CTAGE6	-2.50	5.93E-03	1.07E-02
RP11-129K12.1	-2.44	5.93E-03	1.07E-02
MIR4269	-3.46	5.94E-03	1.07E-02
G22256	-1.23	5.94E-03	1.07E-02
CPEB1	-1.13	5.94E-03	1.07E-02
TAPBP	0.27	5.94E-03	1.07E-02
ACER3	0.58	5.95E-03	1.07E-02
RS1	-3.48	5.95E-03	1.07E-02
LCE1A	0.99	5.95E-03	1.07E-02
RPS12P27	-2.20	5.95E-03	1.07E-02
MVB12B	0.50	5.97E-03	1.08E-02
CYP17A1	-1.25	5.97E-03	1.08E-02
BX088645.3	-1.73	5.98E-03	1.08E-02
LGALS12	3.88	5.98E-03	1.08E-02

ADAM32	-0.96	5.99E-03	1.08E-02
SEMA4F	0.67	5.99E-03	1.08E-02
RP11-70D24.3	-2.24	5.99E-03	1.08E-02
CTD-2370N5.3	-3.47	5.99E-03	1.08E-02
CTC-470E21.1	-3.67	6.00E-03	1.08E-02
GUCY2C	-0.71	6.00E-03	1.08E-02
LMX1A	-2.07	6.01E-03	1.08E-02
VAC14	0.33	6.01E-03	1.08E-02
RP11-342M3.5	-3.92	6.01E-03	1.08E-02
PLGLB2	-3.20	6.02E-03	1.08E-02
DHDH	2.28	6.02E-03	1.08E-02
TOX4P1	-2.49	6.02E-03	1.08E-02
ARHGEF19	0.55	6.03E-03	1.09E-02
ZBTB8A	0.50	6.04E-03	1.09E-02
G28007	-3.27	6.04E-03	1.09E-02
ID2-AS1	-0.73	6.06E-03	1.09E-02
DAB2	1.08	6.06E-03	1.09E-02
ABCC10	0.49	6.06E-03	1.09E-02
MLLT4-AS1	0.91	6.07E-03	1.09E-02
DNMT3A	0.37	6.07E-03	1.09E-02
IFITM9P	-3.50	6.07E-03	1.09E-02
MIR103A2	1.31	6.08E-03	1.09E-02
KLHL10	-1.94	6.08E-03	1.09E-02
CTD-2545H1.2	-2.13	6.08E-03	1.09E-02
TMEM132E	1.49	6.08E-03	1.09E-02
WRAP73	0.41	6.08E-03	1.09E-02
G303	-1.92	6.08E-03	1.09E-02
COL14A1	1.17	6.10E-03	1.10E-02
RP11-845C23.2	-3.51	6.10E-03	1.10E-02
CIDEC	3.76	6.11E-03	1.10E-02
SCHIP1	1.15	6.11E-03	1.10E-02
KBTBD3	-0.42	6.11E-03	1.10E-02
RP11-310E22.5	-3.56	6.13E-03	1.10E-02
RP11-203M5.7	-1.45	6.13E-03	1.10E-02
SMARCE1P6	-2.57	6.13E-03	1.10E-02
RP11-795J1.2	-3.71	6.13E-03	1.10E-02
CLEC16A	-0.32	6.14E-03	1.10E-02
RP13-638C3.3	-1.74	6.14E-03	1.10E-02
TAP2	0.46	6.14E-03	1.10E-02
CCDC17	-0.99	6.15E-03	1.10E-02
RNU6-593P	-3.41	6.15E-03	1.11E-02
DTHD1	-1.97	6.15E-03	1.11E-02
RP11-423E7.2	-2.29	6.16E-03	1.11E-02
SEPSECS-AS1	-1.23	6.18E-03	1.11E-02
HIST2H3DP1	-2.69	6.18E-03	1.11E-02

HMGN2P46	-1.11	6.18E-03	1.11E-02
C11orf57	-0.27	6.19E-03	1.11E-02
CEP68	-0.31	6.19E-03	1.11E-02
PRPSAP2	0.36	6.19E-03	1.11E-02
SNORD92	-3.24	6.20E-03	1.11E-02
ADGRE3	-2.69	6.20E-03	1.11E-02
RHPN1-AS1	1.21	6.20E-03	1.11E-02
PSORS1C2	0.76	6.21E-03	1.11E-02
AP006621.6	-1.46	6.21E-03	1.12E-02
AACS	-0.43	6.21E-03	1.12E-02
RP11-54H7.4	-1.52	6.22E-03	1.12E-02
CTAGE9	-2.16	6.22E-03	1.12E-02
SEC63P1	-2.30	6.22E-03	1.12E-02
DPY19L2P2	-0.63	6.22E-03	1.12E-02
APRT	0.44	6.22E-03	1.12E-02
XLOC_000972	-1.74	6.22E-03	1.12E-02
RTCB	0.33	6.23E-03	1.12E-02
RP11-13N12.1	-3.71	6.23E-03	1.12E-02
MIR579	-3.99	6.23E-03	1.12E-02
RP11-325E5.1	-3.51	6.24E-03	1.12E-02
SAMD9	-0.69	6.25E-03	1.12E-02
MTF1	0.38	6.25E-03	1.12E-02
TRUB1	-0.40	6.25E-03	1.12E-02
PSAT1	-0.71	6.26E-03	1.12E-02
G5617	-1.80	6.27E-03	1.13E-02
CDADC1	0.35	6.27E-03	1.13E-02
NAV2	0.67	6.27E-03	1.13E-02
DNAH12	1.45	6.28E-03	1.13E-02
RP11-5G9.6	-3.36	6.28E-03	1.13E-02
C15orf52	0.87	6.28E-03	1.13E-02
PHBP7	-3.96	6.29E-03	1.13E-02
IGKV2-24	-3.88	6.29E-03	1.13E-02
GEMIN8P4	1.33	6.30E-03	1.13E-02
RP11-793A3.1	-3.34	6.31E-03	1.13E-02
G39214	-0.84	6.31E-03	1.13E-02
SNHG15	0.60	6.31E-03	1.13E-02
RP11-862L9.3	-2.63	6.32E-03	1.13E-02
BHMT	-1.46	6.32E-03	1.13E-02
AP001469.7	-1.61	6.33E-03	1.13E-02
CDCA7	-0.45	6.33E-03	1.13E-02
SNX22	-1.05	6.33E-03	1.14E-02
AC084117.3	1.38	6.34E-03	1.14E-02
CRIPAK	0.65	6.34E-03	1.14E-02
RP11-720D4.2	-3.38	6.34E-03	1.14E-02
SERPINA13P	-3.77	6.34E-03	1.14E-02

MMP8	4.14	6.35E-03	1.14E-02
XLOC_004166	-1.58	6.36E-03	1.14E-02
SPATA7	-0.49	6.36E-03	1.14E-02
FLRT3	-0.83	6.36E-03	1.14E-02
RP11-57H12.3	-1.23	6.36E-03	1.14E-02
RP11-367N14.3	-1.66	6.37E-03	1.14E-02
RP1-292L20.3	1.28	6.38E-03	1.14E-02
ENPP7P8	-3.48	6.38E-03	1.14E-02
PDCD6IPP1	-2.44	6.38E-03	1.14E-02
DPEP1	4.21	6.38E-03	1.14E-02
RP11-400N13.3	2.86	6.38E-03	1.14E-02
RASAL2-AS1	-0.89	6.38E-03	1.14E-02
SNORD1B	-3.25	6.39E-03	1.14E-02
GS1-279B7.1	-2.71	6.39E-03	1.14E-02
GPR146	0.81	6.39E-03	1.14E-02
STEAP2	-0.73	6.39E-03	1.15E-02
RPL23AP40	-3.41	6.40E-03	1.15E-02
SLC25A6P3	-3.51	6.40E-03	1.15E-02
RP11-15A1.8	-1.10	6.40E-03	1.15E-02
RP11-502F1.1	-2.43	6.41E-03	1.15E-02
RP11-343K8.3	-3.12	6.42E-03	1.15E-02
TVP23CP1	-3.42	6.42E-03	1.15E-02
RP11-296P7.4	-3.08	6.42E-03	1.15E-02
EPB41L4B	-0.58	6.43E-03	1.15E-02
CD3EAP	0.59	6.43E-03	1.15E-02
RNA5SP233	-3.54	6.43E-03	1.15E-02
SLC39A2	0.64	6.43E-03	1.15E-02
USP44	-0.80	6.44E-03	1.15E-02
RPS5P3	-3.41	6.44E-03	1.15E-02
G26933	-2.10	6.44E-03	1.15E-02
XLOC_012700	3.83	6.45E-03	1.15E-02
AC084809.3	-3.14	6.45E-03	1.15E-02
RN7SL189P	-3.77	6.45E-03	1.15E-02
G22924	-2.83	6.45E-03	1.15E-02
TBX18	-0.98	6.45E-03	1.15E-02
RP11-346C16.2	-3.39	6.46E-03	1.15E-02
AKR1D1P1	-3.44	6.46E-03	1.16E-02
IGF1R	-0.45	6.46E-03	1.16E-02
PBOV1	-3.48	6.48E-03	1.16E-02
RP11-108M9.4	-1.35	6.49E-03	1.16E-02
XLOC_011005	-4.02	6.49E-03	1.16E-02
RP11-557F20.2	-3.35	6.49E-03	1.16E-02
ETV5-AS1	-2.76	6.49E-03	1.16E-02
RP1-228H13.5	0.78	6.50E-03	1.16E-02
LENG8	1.04	6.50E-03	1.16E-02

RHPN1	1.07	6.50E-03	1.16E-02
MIR608	-3.72	6.51E-03	1.16E-02
ACAT2	-0.97	6.51E-03	1.16E-02
RP11-27G24.3	-2.01	6.52E-03	1.17E-02
AC097721.2	-1.06	6.52E-03	1.17E-02
XLOC_000697	1.16	6.52E-03	1.17E-02
CTB-152G17.4	-3.73	6.52E-03	1.17E-02
RP11-803D5.1	2.51	6.52E-03	1.17E-02
RP13-452N2.1	-2.38	6.53E-03	1.17E-02
LINC01298	-3.71	6.53E-03	1.17E-02
SRGAP3-AS1	-3.73	6.53E-03	1.17E-02
RP11-109N23.6	-1.51	6.53E-03	1.17E-02
RN7SL254P	-3.69	6.53E-03	1.17E-02
SMIM1	1.17	6.54E-03	1.17E-02
RP11-250B2.4	-2.45	6.54E-03	1.17E-02
TCEB2P4	-1.86	6.54E-03	1.17E-02
RP11-236P24.1	-3.56	6.54E-03	1.17E-02
ARIH2	0.22	6.54E-03	1.17E-02
FAM156B	1.07	6.55E-03	1.17E-02
RP11-263C24.3	-3.35	6.56E-03	1.17E-02
RN7SL745P	-3.01	6.56E-03	1.17E-02
FCGR2B	1.20	6.56E-03	1.17E-02
CLPB	-0.40	6.56E-03	1.17E-02
RP5-827E24.1	-3.48	6.56E-03	1.17E-02
RP11-342M1.7	-3.64	6.57E-03	1.17E-02
ZCCHC18	1.40	6.57E-03	1.17E-02
FAM76A	-0.49	6.57E-03	1.17E-02
G11773	1.81	6.57E-03	1.17E-02
TOP2A	-0.57	6.58E-03	1.17E-02
UBC	0.41	6.58E-03	1.17E-02
FLVCR2	0.35	6.58E-03	1.17E-02
ZFX-AS1	-3.35	6.58E-03	1.17E-02
ZNF252P-AS1	-1.31	6.58E-03	1.17E-02
AC005757.6	-3.56	6.58E-03	1.18E-02
DNAJC27	-0.39	6.59E-03	1.18E-02
PNPLA4	0.47	6.60E-03	1.18E-02
AC096772.6	-0.51	6.60E-03	1.18E-02
RP11-3B7.1	1.52	6.60E-03	1.18E-02
LGR5	-1.73	6.61E-03	1.18E-02
XLOC_004201	2.01	6.61E-03	1.18E-02
SGK2	-2.17	6.61E-03	1.18E-02
ZNRF2P3	-3.09	6.61E-03	1.18E-02
EIF4HP1	-0.92	6.62E-03	1.18E-02
LINC01206	3.56	6.62E-03	1.18E-02
RP11-485G7.6	-1.51	6.62E-03	1.18E-02

CTC-367J11.1	-3.31	6.62E-03	1.18E-02
RP11-1012A1.7	-3.29	6.62E-03	1.18E-02
RP11-332H18.3	-1.63	6.63E-03	1.18E-02
RN7SL179P	-3.43	6.63E-03	1.18E-02
MIR378H	-2.09	6.64E-03	1.18E-02
AC104781.1	-3.56	6.64E-03	1.18E-02
RP11-638I2.10	-3.51	6.64E-03	1.18E-02
IL21R	1.26	6.64E-03	1.18E-02
COX7A2P1	-2.27	6.65E-03	1.18E-02
SEC23B	-0.36	6.65E-03	1.19E-02
CTC-459F4.6	-2.21	6.66E-03	1.19E-02
CTC-479C5.11	-3.30	6.66E-03	1.19E-02
AC010091.1	-3.44	6.66E-03	1.19E-02
PPP1R1AP1	-3.41	6.67E-03	1.19E-02
CAAP1	-0.33	6.67E-03	1.19E-02
ZNF202	0.35	6.67E-03	1.19E-02
RN7SL45P	-3.40	6.68E-03	1.19E-02
RP3-412A9.16	-1.32	6.68E-03	1.19E-02
RP11-407G23.7	-1.44	6.68E-03	1.19E-02
C1GALT1	-0.39	6.68E-03	1.19E-02
ENDOV	0.45	6.68E-03	1.19E-02
LBP	8.17	6.68E-03	1.19E-02
RP11-887P2.3	1.04	6.68E-03	1.19E-02
CTD-3096M3.2	-2.61	6.69E-03	1.19E-02
PTPRK	-0.36	6.69E-03	1.19E-02
CORO2B	0.81	6.70E-03	1.19E-02
AC009948.7	-3.07	6.70E-03	1.19E-02
RN7SL351P	-3.49	6.70E-03	1.19E-02
RP11-1072C15.4	-1.83	6.70E-03	1.19E-02
PTPN20CP	-3.70	6.70E-03	1.19E-02
EFCAB11	0.41	6.71E-03	1.19E-02
PI4K2B	-0.51	6.71E-03	1.19E-02
QKI	-0.34	6.71E-03	1.19E-02
AKIRIN1	0.31	6.72E-03	1.20E-02
MARS2	-0.47	6.72E-03	1.20E-02
RP11-80P20.3	-0.77	6.72E-03	1.20E-02
OPTN	0.26	6.73E-03	1.20E-02
LINC01090	-3.41	6.73E-03	1.20E-02
USPL1	-0.34	6.74E-03	1.20E-02
OR52T1P	-3.38	6.74E-03	1.20E-02
DDX27	0.28	6.74E-03	1.20E-02
7-Mar	-0.45	6.74E-03	1.20E-02
XLOC_005513	-4.01	6.74E-03	1.20E-02
RP1-45I4.2	-3.25	6.75E-03	1.20E-02
C19orf12	0.25	6.75E-03	1.20E-02

Gene	Value	P-value	Adj. P-value
PTP4A2P2	1.83	6.75E-03	1.20E-02
RP11-146I2.1	-1.47	6.76E-03	1.20E-02
RP11-573G6.4	-2.02	6.77E-03	1.20E-02
CAMK1D	-0.45	6.77E-03	1.20E-02
C9orf163	-1.33	6.77E-03	1.20E-02
GNAI3	-0.41	6.79E-03	1.21E-02
OBP2B	3.61	6.79E-03	1.21E-02
CRNN	1.08	6.79E-03	1.21E-02
RP11-66N24.7	-3.17	6.79E-03	1.21E-02
GLI3	0.42	6.79E-03	1.21E-02
Z83826.1	-1.50	6.80E-03	1.21E-02
RP11-246E12.2	-1.70	6.80E-03	1.21E-02
SNX24	-0.38	6.80E-03	1.21E-02
LINC00211	2.57	6.81E-03	1.21E-02
CTC-435M10.10	-3.15	6.81E-03	1.21E-02
AC016831.6	-3.26	6.82E-03	1.21E-02
CTB-60B18.10	1.84	6.82E-03	1.21E-02
ATAD3B	0.82	6.83E-03	1.21E-02
EEF1A1P24	-3.47	6.83E-03	1.21E-02
MIR3680-1	-2.70	6.84E-03	1.22E-02
TAF5	-0.35	6.85E-03	1.22E-02
RLBP1	-2.66	6.85E-03	1.22E-02
HOXA-AS3	-1.23	6.86E-03	1.22E-02
IZUMO2	-3.70	6.86E-03	1.22E-02
RP11-147I3.1	-1.28	6.87E-03	1.22E-02
RP11-403P17.2	-3.67	6.87E-03	1.22E-02
SYT16	-3.13	6.88E-03	1.22E-02
RP5-849H19.2	-2.27	6.88E-03	1.22E-02
MEOX2	0.84	6.88E-03	1.22E-02
PCDHB16	0.69	6.88E-03	1.22E-02
RNF138	-0.50	6.89E-03	1.22E-02
G28332	-1.23	6.89E-03	1.22E-02
BRCC3P1	-2.44	6.91E-03	1.23E-02
XLOC_002943	-1.38	6.91E-03	1.23E-02
RP5-884G6.2	0.91	6.91E-03	1.23E-02
RNU4-87P	-3.56	6.91E-03	1.23E-02
RP11-214K3.18	-3.38	6.91E-03	1.23E-02
G39828	1.76	6.91E-03	1.23E-02
RP11-274J7.3	-3.25	6.91E-03	1.23E-02
RP11-1348G14.5	-1.80	6.91E-03	1.23E-02
UBXN7-AS1	-3.23	6.92E-03	1.23E-02
EFNA5	-0.38	6.92E-03	1.23E-02
AL158147.2	-2.52	6.92E-03	1.23E-02
RN7SKP179	-3.25	6.92E-03	1.23E-02
AC090286.4	-3.19	6.93E-03	1.23E-02

EGOT	-1.58	6.93E-03	1.23E-02
RP11-271K21.12	-2.32	6.93E-03	1.23E-02
SFPQ	0.37	6.94E-03	1.23E-02
AJAP1	1.09	6.94E-03	1.23E-02
RP11-98J23.2	-1.60	6.94E-03	1.23E-02
HMGB3P24	-2.06	6.94E-03	1.23E-02
HNRNPCP7	-1.22	6.95E-03	1.23E-02
RP11-121L10.2	-1.95	6.96E-03	1.23E-02
LRGUK	-1.02	6.97E-03	1.24E-02
RPL36AP41	-3.38	6.97E-03	1.24E-02
PP7080	0.38	6.97E-03	1.24E-02
RP11-504P24.5	-3.34	6.97E-03	1.24E-02
RP11-443O13.3	-2.07	6.98E-03	1.24E-02
AL121952.1	-3.55	6.98E-03	1.24E-02
RP4-800M22.4	-3.87	6.98E-03	1.24E-02
RP11-141M1.4	-3.24	6.99E-03	1.24E-02
HDGFP1	-3.37	6.99E-03	1.24E-02
OR9Q1	-2.79	7.01E-03	1.24E-02
FGF9	1.53	7.01E-03	1.24E-02
WISP2	1.48	7.01E-03	1.24E-02
FGF1	1.37	7.02E-03	1.24E-02
AC116533.1	-3.56	7.02E-03	1.24E-02
CTC-510F12.3	2.52	7.02E-03	1.24E-02
RAB44	-1.21	7.02E-03	1.24E-02
PARG	-0.37	7.02E-03	1.24E-02
MIR548AA1	-3.69	7.02E-03	1.24E-02
RP11-54A4.2	-1.91	7.03E-03	1.25E-02
PHBP9	-1.13	7.03E-03	1.25E-02
AC017083.1	-3.18	7.04E-03	1.25E-02
SHBG	2.83	7.04E-03	1.25E-02
IGF2-AS	5.39	7.05E-03	1.25E-02
MOAP1	0.34	7.05E-03	1.25E-02
RP11-467J12.2	-3.24	7.05E-03	1.25E-02
HACL1	-0.66	7.06E-03	1.25E-02
EVPL	0.45	7.07E-03	1.25E-02
RP11-616M22.3	-3.55	7.07E-03	1.25E-02
RP11-56B16.5	-2.26	7.07E-03	1.25E-02
SLC22A6	-3.29	7.07E-03	1.25E-02
RP11-381E24.1	-1.54	7.08E-03	1.25E-02
NCBP3	-0.27	7.08E-03	1.25E-02
RNU7-71P	-3.79	7.08E-03	1.25E-02
USP51	0.53	7.09E-03	1.25E-02
CTD-2281E23.1	-3.57	7.09E-03	1.26E-02
CALCRL	0.73	7.09E-03	1.26E-02
RP11-412D9.4	1.10	7.10E-03	1.26E-02

XLOC_013181	-1.14	7.10E-03	1.26E-02
RP11-266K4.9	-1.15	7.10E-03	1.26E-02
VN1R84P	-3.98	7.12E-03	1.26E-02
MIR3909	-3.37	7.12E-03	1.26E-02
G7957	-3.40	7.12E-03	1.26E-02
RNU6-658P	-2.84	7.13E-03	1.26E-02
GS1-174L6.4	3.14	7.13E-03	1.26E-02
LINC00517	3.06	7.13E-03	1.26E-02
LINC00866	2.28	7.15E-03	1.27E-02
METTL2A	-0.34	7.16E-03	1.27E-02
G9801	-1.47	7.16E-03	1.27E-02
RN7SL696P	-3.26	7.17E-03	1.27E-02
RPL23AP4	-3.62	7.17E-03	1.27E-02
EZR-AS1	-3.08	7.17E-03	1.27E-02
TARSL2	0.40	7.18E-03	1.27E-02
AC007091.1	-3.38	7.18E-03	1.27E-02
RP11-212I21.4	-1.17	7.20E-03	1.27E-02
SPDYE12P	1.21	7.21E-03	1.27E-02
RN7SKP178	-3.87	7.21E-03	1.27E-02
RP11-370I10.11	-2.39	7.21E-03	1.27E-02
RP11-146D12.2	-2.30	7.21E-03	1.27E-02
ADGRV1	-1.16	7.22E-03	1.28E-02
ATP8A2	1.22	7.22E-03	1.28E-02
RP11-421M1.8	-1.30	7.22E-03	1.28E-02
KBTBD11	1.06	7.22E-03	1.28E-02
MED14	-0.33	7.23E-03	1.28E-02
SPCS1	0.42	7.23E-03	1.28E-02
LINC00482	1.67	7.24E-03	1.28E-02
LRRTM4	3.25	7.24E-03	1.28E-02
RP11-793H13.3	-3.31	7.25E-03	1.28E-02
RP11-690I21.1	-2.62	7.25E-03	1.28E-02
RN7SKP184	-3.23	7.25E-03	1.28E-02
RP5-1142J19.2	-2.18	7.25E-03	1.28E-02
GOLT1A	2.45	7.25E-03	1.28E-02
CTD-2161E19.1	-2.99	7.25E-03	1.28E-02
RNU6-583P	-3.65	7.26E-03	1.28E-02
G25496	-1.10	7.26E-03	1.28E-02
RPSAP36	-1.52	7.26E-03	1.28E-02
RP11-299M14.2	-3.52	7.26E-03	1.28E-02
RP11-585F1.6	-3.45	7.26E-03	1.28E-02
RECQL	-0.42	7.28E-03	1.28E-02
SYT12	0.97	7.28E-03	1.29E-02
RP11-272L13.2	-3.63	7.29E-03	1.29E-02
RNU6-881P	-3.36	7.30E-03	1.29E-02
RNU6-1127P	-3.56	7.30E-03	1.29E-02

IPO5	-0.27	7.31E-03	1.29E-02
GLTSCR2-AS1	-1.32	7.31E-03	1.29E-02
ANKS4B	-3.75	7.32E-03	1.29E-02
ARID3B	0.49	7.32E-03	1.29E-02
AL355794.1	-3.82	7.33E-03	1.29E-02
AC002064.5	-3.49	7.33E-03	1.29E-02
MARS	0.36	7.33E-03	1.29E-02
LINC00162	0.80	7.33E-03	1.29E-02
MIR1972-2	-3.51	7.33E-03	1.29E-02
RN7SKP37	-3.83	7.34E-03	1.29E-02
MIR4419A	-3.33	7.35E-03	1.30E-02
ZNF155	-0.64	7.35E-03	1.30E-02
XLOC_012436	-1.68	7.35E-03	1.30E-02
RP11-616K22.2	-3.12	7.37E-03	1.30E-02
NDUFB6	0.53	7.37E-03	1.30E-02
ANTXR2	0.97	7.38E-03	1.30E-02
SEL1L3	0.54	7.38E-03	1.30E-02
MRGPRX3	3.57	7.39E-03	1.30E-02
MIR661	-3.58	7.39E-03	1.30E-02
METTL1	0.64	7.39E-03	1.30E-02
DYNC1LI1	-0.43	7.39E-03	1.30E-02
TIGD3	1.46	7.40E-03	1.31E-02
RP11-136F16.2	-3.36	7.40E-03	1.31E-02
RP11-324F21.1	-3.42	7.41E-03	1.31E-02
MEDAG	1.17	7.41E-03	1.31E-02
FAM182B	0.91	7.41E-03	1.31E-02
STX17-AS1	-0.81	7.41E-03	1.31E-02
XLOC_011484	-2.36	7.42E-03	1.31E-02
LILRA4	-2.22	7.42E-03	1.31E-02
PPP2R2C	0.55	7.42E-03	1.31E-02
PTPRS	-0.35	7.42E-03	1.31E-02
RP11-798L4.1	-2.31	7.43E-03	1.31E-02
RP3-337O18.9	2.78	7.43E-03	1.31E-02
RP11-568K15.2	-2.14	7.43E-03	1.31E-02
FAR1-IT1	-2.67	7.44E-03	1.31E-02
RP11-747H12.5	-3.88	7.44E-03	1.31E-02
RP11-50I19.1	-3.29	7.44E-03	1.31E-02
XLOC_009885	-2.25	7.45E-03	1.31E-02
PRR22	1.07	7.45E-03	1.31E-02
AURKAPS1	-2.45	7.45E-03	1.31E-02
CDK11A	-1.20	7.46E-03	1.32E-02
LINC01170	1.59	7.47E-03	1.32E-02
OR2G6	-4.14	7.48E-03	1.32E-02
G14803	-2.52	7.49E-03	1.32E-02
RP11-96C23.10	-3.49	7.50E-03	1.32E-02

RP5-1101C3.1	-1.86	7.52E-03	1.32E-02
CORIN	-0.88	7.52E-03	1.33E-02
NTSR1	1.42	7.52E-03	1.33E-02
ARL17A	-0.94	7.53E-03	1.33E-02
RNU7-119P	-3.84	7.54E-03	1.33E-02
EHMT1	0.28	7.54E-03	1.33E-02
AC083843.2	-2.93	7.55E-03	1.33E-02
TIA1	-0.37	7.56E-03	1.33E-02
BMS1P9	1.85	7.56E-03	1.33E-02
MYEOV	1.17	7.57E-03	1.33E-02
RPS26P3	-3.11	7.57E-03	1.33E-02
LINC00992	1.04	7.57E-03	1.33E-02
RP11-570L14.1	-3.81	7.58E-03	1.33E-02
AC073283.7	-2.09	7.58E-03	1.33E-02
MTND1P3	-2.99	7.59E-03	1.34E-02
CICP16	-1.52	7.61E-03	1.34E-02
BVES	0.89	7.62E-03	1.34E-02
IFT81	-0.36	7.62E-03	1.34E-02
RP11-707P17.1	-3.62	7.63E-03	1.34E-02
DIS3L	-0.38	7.63E-03	1.34E-02
GS1-393G12.12	1.22	7.64E-03	1.34E-02
TMEM167B	-0.42	7.65E-03	1.35E-02
OR5K2	-3.47	7.65E-03	1.35E-02
HOXA9	1.07	7.66E-03	1.35E-02
PLA2R1	-0.79	7.66E-03	1.35E-02
RP11-753H16.3	-3.11	7.67E-03	1.35E-02
GAS8-AS1	-2.33	7.67E-03	1.35E-02
FAM96AP2	1.18	7.67E-03	1.35E-02
PIP5K1A	-0.29	7.67E-03	1.35E-02
CTD-3065B20.3	-1.91	7.67E-03	1.35E-02
AC079250.1	-0.82	7.67E-03	1.35E-02
A1CF	-2.73	7.68E-03	1.35E-02
FOXK2	0.27	7.68E-03	1.35E-02
RPSAP50	-3.68	7.68E-03	1.35E-02
ALG1L10P	-1.65	7.68E-03	1.35E-02
TRIM45	-0.73	7.69E-03	1.35E-02
RP5-1028L10.1	-3.65	7.69E-03	1.35E-02
RN7SL220P	-1.46	7.70E-03	1.35E-02
RP11-159F24.5	-1.73	7.71E-03	1.35E-02
CDK20	0.59	7.72E-03	1.36E-02
C2orf82	1.32	7.72E-03	1.36E-02
SERPINB9	1.31	7.72E-03	1.36E-02
RP11-112L18.1	-3.41	7.72E-03	1.36E-02
SCAND2P	-0.66	7.73E-03	1.36E-02
SLC6A14	1.14	7.74E-03	1.36E-02

CCDC114	-1.11	7.74E-03	1.36E-02
RP11-33O4.2	-2.06	7.75E-03	1.36E-02
RP11-173B14.4	-1.29	7.75E-03	1.36E-02
BEND7P1	-3.38	7.75E-03	1.36E-02
RP11-304C12.5	-1.79	7.75E-03	1.36E-02
ERP29	0.45	7.76E-03	1.36E-02
RP11-17G2.1	-3.95	7.76E-03	1.36E-02
SPATC1L	1.44	7.77E-03	1.36E-02
CIART	1.68	7.79E-03	1.37E-02
CHCHD3	0.27	7.79E-03	1.37E-02
RAB30	-0.43	7.80E-03	1.37E-02
RP11-121M22.1	-1.24	7.80E-03	1.37E-02
MSI1	1.80	7.80E-03	1.37E-02
KSR2	-1.28	7.81E-03	1.37E-02
RP11-382A20.4	-3.38	7.81E-03	1.37E-02
RP11-10J21.6	-3.18	7.81E-03	1.37E-02
TXNRD3	-0.33	7.82E-03	1.37E-02
RN7SKP110	-3.60	7.82E-03	1.37E-02
CACNA1D	-0.76	7.83E-03	1.37E-02
RP4-561L24.3	-1.09	7.84E-03	1.38E-02
PRMT3	-0.38	7.84E-03	1.38E-02
KB-1572G7.3	-3.29	7.84E-03	1.38E-02
TIGAR	0.63	7.84E-03	1.38E-02
SUV420H2	0.68	7.84E-03	1.38E-02
XLOC_005280	-3.50	7.84E-03	1.38E-02
MFAP5	-1.26	7.85E-03	1.38E-02
AC007131.2	-3.72	7.86E-03	1.38E-02
G29539	1.77	7.86E-03	1.38E-02
ST7	-0.30	7.86E-03	1.38E-02
MESTP1	-3.68	7.87E-03	1.38E-02
RP11-573G6.6	-1.98	7.87E-03	1.38E-02
MFN2	0.26	7.87E-03	1.38E-02
AC003088.1	-3.52	7.87E-03	1.38E-02
ILDR2	-1.70	7.87E-03	1.38E-02
LRRN2	1.41	7.88E-03	1.38E-02
EFCAB8	-1.90	7.88E-03	1.38E-02
PIK3C2B	-0.44	7.88E-03	1.38E-02
RPLP2	0.44	7.88E-03	1.38E-02
RP3-400B16.2	-3.53	7.89E-03	1.38E-02
CCL3	4.02	7.89E-03	1.38E-02
TGFBR3L	1.17	7.90E-03	1.38E-02
ARL6IP6	-0.41	7.92E-03	1.39E-02
KRT10	1.04	7.93E-03	1.39E-02
RP11-1094M14.8	1.46	7.93E-03	1.39E-02
AC097467.2	-3.71	7.93E-03	1.39E-02

CST6	-0.90	7.93E-03	1.39E-02
RNU6-301P	-2.19	7.93E-03	1.39E-02
CTA-407F11.8	-2.61	7.94E-03	1.39E-02
RP11-336A10.4	2.77	7.94E-03	1.39E-02
G26249	-1.90	7.95E-03	1.39E-02
RIMBP3	1.61	7.96E-03	1.39E-02
KRTAP1-3	-6.19	7.99E-03	1.40E-02
ACTL10	0.75	7.99E-03	1.40E-02
IMMT	0.22	8.00E-03	1.40E-02
GLYATL1P1	-2.21	8.00E-03	1.40E-02
CTD-2568A17.1	-2.69	8.00E-03	1.40E-02
RP11-286H14.8	-1.50	8.01E-03	1.40E-02
RP11-7F18.2	-1.38	8.01E-03	1.40E-02
GJA1	0.59	8.02E-03	1.40E-02
KLK8	0.57	8.02E-03	1.40E-02
RNU7-11P	-3.67	8.02E-03	1.40E-02
CTC-499B15.8	-1.76	8.02E-03	1.40E-02
RP11-98D18.1	-3.50	8.04E-03	1.41E-02
NNAT	-0.91	8.04E-03	1.41E-02
MPTX1	-3.14	8.05E-03	1.41E-02
CTB-78O21.1	-2.36	8.05E-03	1.41E-02
MRO	1.94	8.05E-03	1.41E-02
MIP	-2.36	8.05E-03	1.41E-02
AL603965.1	-1.33	8.06E-03	1.41E-02
GCLM	0.62	8.06E-03	1.41E-02
RP11-768G7.2	-3.86	8.06E-03	1.41E-02
RP4-735C1.4	-2.46	8.06E-03	1.41E-02
CTD-2231E14.5	-3.27	8.06E-03	1.41E-02
AC007880.1	-3.19	8.07E-03	1.41E-02
TTC21A	0.74	8.07E-03	1.41E-02
NCAPG2	-0.39	8.07E-03	1.41E-02
RP11-87E22.2	-3.43	8.08E-03	1.41E-02
ALDH3A1	0.90	8.08E-03	1.41E-02
RP11-356O9.1	-3.12	8.09E-03	1.42E-02
RPL18AP2	-3.28	8.10E-03	1.42E-02
RP11-295H24.3	-3.50	8.10E-03	1.42E-02
FOXP1-AS1	-1.70	8.11E-03	1.42E-02
CYCSP10	-1.81	8.11E-03	1.42E-02
RP11-16P20.4	-3.04	8.11E-03	1.42E-02
RP11-1021O19.2	-3.38	8.11E-03	1.42E-02
RP11-356O9.2	-3.77	8.12E-03	1.42E-02
MIR200B	-2.84	8.12E-03	1.42E-02
RNU6-689P	-3.71	8.13E-03	1.42E-02
RP11-770J1.7	-3.25	8.13E-03	1.42E-02
AP3B2	0.86	8.14E-03	1.42E-02

Gene	Value	P-value	Q-value
RRP8	-0.27	8.15E-03	1.42E-02
PTGER3	-0.74	8.15E-03	1.42E-02
RNU6-897P	-3.58	8.15E-03	1.42E-02
SIGMAR1	0.35	8.15E-03	1.42E-02
RPL21P110	-3.49	8.17E-03	1.43E-02
ZNF239	1.27	8.17E-03	1.43E-02
GNPAT	-0.50	8.18E-03	1.43E-02
RP1-12G14.7	-0.76	8.19E-03	1.43E-02
RABGAP1	-0.27	8.20E-03	1.43E-02
MMP21	-1.92	8.20E-03	1.43E-02
RP11-85O21.2	-3.52	8.21E-03	1.43E-02
LRRC37A17P	-0.63	8.21E-03	1.43E-02
PCDHB18P	0.60	8.22E-03	1.44E-02
RP11-284J1.1	-2.37	8.22E-03	1.44E-02
RP11-76C10.5	-3.46	8.22E-03	1.44E-02
RP11-770J1.5	-3.60	8.22E-03	1.44E-02
RP11-394O4.5	1.41	8.23E-03	1.44E-02
VPS4B	-0.37	8.23E-03	1.44E-02
ADAD1P2	-3.45	8.23E-03	1.44E-02
RP11-432I5.4	-3.43	8.24E-03	1.44E-02
ST13P11	-2.71	8.24E-03	1.44E-02
RP11-731D1.3	-3.39	8.25E-03	1.44E-02
PRMT5	0.37	8.25E-03	1.44E-02
RP11-626H12.2	4.81	8.25E-03	1.44E-02
AL049539.1	-3.22	8.27E-03	1.44E-02
RPGRIP1	-0.85	8.28E-03	1.45E-02
RFT1	-0.24	8.29E-03	1.45E-02
RP11-555K12.1	-2.04	8.30E-03	1.45E-02
PEPD	0.43	8.30E-03	1.45E-02
B3GNT4	0.55	8.30E-03	1.45E-02
RP11-710E1.2	-3.10	8.30E-03	1.45E-02
RN7SL857P	-3.66	8.30E-03	1.45E-02
SNORA18	-3.23	8.31E-03	1.45E-02
MIR593	-3.55	8.31E-03	1.45E-02
STRC	-1.38	8.32E-03	1.45E-02
AL353763.1	-3.75	8.32E-03	1.45E-02
AC009229.6	-2.34	8.33E-03	1.45E-02
RP11-368N21.5	1.29	8.33E-03	1.45E-02
RP11-762I7.4	-1.29	8.33E-03	1.45E-02
G36172	-1.26	8.33E-03	1.45E-02
RP11-85I21.1	-2.95	8.34E-03	1.45E-02
YPEL5P2	-2.18	8.34E-03	1.45E-02
RP11-88G17.6	-3.22	8.35E-03	1.46E-02
RP11-44F21.4	-3.81	8.35E-03	1.46E-02
CTD-2245F17.3	-0.84	8.35E-03	1.46E-02

RP11-1002K11.1	-0.69	8.35E-03	1.46E-02
GDE1	0.43	8.35E-03	1.46E-02
RP11-316J7.4	-3.66	8.36E-03	1.46E-02
TRAM2-AS1	0.66	8.37E-03	1.46E-02
RP11-417N10.3	-2.99	8.37E-03	1.46E-02
G5109	-2.04	8.38E-03	1.46E-02
RP11-272P10.2	-3.16	8.38E-03	1.46E-02
NSUN7	-0.62	8.38E-03	1.46E-02
RNU6-100P	-3.06	8.38E-03	1.46E-02
RNU2-39P	-3.22	8.39E-03	1.46E-02
RPL38	0.43	8.39E-03	1.46E-02
ST18	-2.07	8.40E-03	1.46E-02
EXOG	0.71	8.42E-03	1.47E-02
RP11-144G7.2	-2.39	8.42E-03	1.47E-02
RP11-476C8.2	-2.21	8.42E-03	1.47E-02
LYG1	-1.57	8.42E-03	1.47E-02
IFIT1P1	-3.28	8.42E-03	1.47E-02
FAM81B	-1.84	8.43E-03	1.47E-02
RNU6-541P	-3.25	8.43E-03	1.47E-02
RP11-56F10.3	-2.90	8.43E-03	1.47E-02
CFAP58	0.77	8.43E-03	1.47E-02
XLOC_003663	-1.55	8.43E-03	1.47E-02
TUBB2B	0.95	8.44E-03	1.47E-02
RP11-235P11.1	-3.65	8.44E-03	1.47E-02
CD226	-1.12	8.45E-03	1.47E-02
RP11-211A18.1	-3.47	8.45E-03	1.47E-02
RP11-1078H9.2	-3.60	8.46E-03	1.47E-02
RPL31P2	-3.76	8.47E-03	1.47E-02
RP11-322E11.3	-2.71	8.48E-03	1.48E-02
PCNPP1	-1.30	8.48E-03	1.48E-02
HRK	2.18	8.49E-03	1.48E-02
CTD-2568A17.8	-2.33	8.49E-03	1.48E-02
CXCL5	2.67	8.49E-03	1.48E-02
LINC00240	-1.21	8.49E-03	1.48E-02
CHKB-AS1	1.20	8.50E-03	1.48E-02
RP11-662B19.2	-3.04	8.50E-03	1.48E-02
XLOC_005392	-3.40	8.50E-03	1.48E-02
MSH5	-1.14	8.51E-03	1.48E-02
RP11-351I21.7	-3.10	8.51E-03	1.48E-02
RP11-1060J15.4	-3.46	8.51E-03	1.48E-02
DDX24	0.23	8.51E-03	1.48E-02
AC025442.3	-3.28	8.51E-03	1.48E-02
NUBPL	-0.33	8.51E-03	1.48E-02
CTD-2555K7.2	-2.24	8.52E-03	1.48E-02
RP11-426K3.1	-2.44	8.52E-03	1.48E-02

LPGAT1	-0.37	8.53E-03	1.48E-02
XLOC_013942	-3.56	8.53E-03	1.48E-02
ANKLE2	0.23	8.54E-03	1.49E-02
PSMD5-AS1	0.64	8.54E-03	1.49E-02
RP11-49C9.2	-3.62	8.55E-03	1.49E-02
PROM1	2.14	8.56E-03	1.49E-02
CTD-2616J11.16	-3.42	8.56E-03	1.49E-02
WWTR1	0.38	8.56E-03	1.49E-02
C21orf2	0.57	8.56E-03	1.49E-02
CCDC142	0.63	8.57E-03	1.49E-02
GLUD1P2	1.38	8.58E-03	1.49E-02
CTD-2547H18.1	-3.14	8.60E-03	1.49E-02
RRS1-AS1	-1.50	8.60E-03	1.50E-02
HNRNPA1P1	-3.33	8.61E-03	1.50E-02
AGAP1-IT1	-2.11	8.61E-03	1.50E-02
RP11-380M21.4	-1.35	8.61E-03	1.50E-02
KRT77	-1.01	8.62E-03	1.50E-02
LAMTOR3	-0.44	8.62E-03	1.50E-02
XLOC_011151	-3.11	8.62E-03	1.50E-02
QARS	0.34	8.63E-03	1.50E-02
THSD7B	-1.81	8.63E-03	1.50E-02
RP11-762I7.5	-2.75	8.63E-03	1.50E-02
GAPDHP2	-1.93	8.63E-03	1.50E-02
KCNC1	1.63	8.64E-03	1.50E-02
RP4-665J23.1	1.14	8.64E-03	1.50E-02
RP11-308D16.1	-3.54	8.65E-03	1.50E-02
COL4A3	1.18	8.66E-03	1.50E-02
RP5-933K21.3	1.66	8.66E-03	1.50E-02
HOXB3	0.91	8.66E-03	1.50E-02
RN7SKP115	-3.34	8.66E-03	1.50E-02
SLC6A17	-0.91	8.66E-03	1.50E-02
AL590431.1	-1.24	8.66E-03	1.50E-02
G11315	-3.86	8.66E-03	1.50E-02
CSMD1	-1.26	8.67E-03	1.51E-02
IQUB	-1.14	8.67E-03	1.51E-02
RP11-166P13.3	0.63	8.68E-03	1.51E-02
SETD1B	0.67	8.68E-03	1.51E-02
ZNF608	0.70	8.69E-03	1.51E-02
ZNF730	-2.02	8.69E-03	1.51E-02
SNHG4	-0.66	8.69E-03	1.51E-02
ADGRE1	2.82	8.69E-03	1.51E-02
LGALS7B	0.95	8.69E-03	1.51E-02
RP11-212F11.1	-3.07	8.70E-03	1.51E-02
RP11-165M1.3	-3.17	8.70E-03	1.51E-02
ACTR2	0.36	8.70E-03	1.51E-02

RP11-66B24.7	2.45	8.71E-03	1.51E-02
NLRP9	-3.39	8.71E-03	1.51E-02
RFC3	-0.37	8.71E-03	1.51E-02
AL138498.1	-3.64	8.71E-03	1.51E-02
CELSR3-AS1	1.60	8.71E-03	1.51E-02
RNU5F-3P	-3.50	8.71E-03	1.51E-02
MID1	0.47	8.72E-03	1.51E-02
CTD-2319I12.10	-2.65	8.72E-03	1.51E-02
AC091801.1	2.76	8.72E-03	1.51E-02
RP13-228J13.6	-3.25	8.73E-03	1.51E-02
RP11-274E6.1	-3.78	8.73E-03	1.51E-02
LA16c-OS12.2	2.01	8.74E-03	1.51E-02
XLOC_011523	-2.65	8.74E-03	1.52E-02
THUMPD2	0.31	8.75E-03	1.52E-02
LRRCC1	-0.51	8.75E-03	1.52E-02
CEACAMP10	-2.59	8.76E-03	1.52E-02
RP11-256L6.3	-1.42	8.76E-03	1.52E-02
CYP4F12	-0.72	8.77E-03	1.52E-02
DMC1	-0.77	8.78E-03	1.52E-02
RP11-727A23.4	-1.21	8.78E-03	1.52E-02
GABRB1	-3.27	8.79E-03	1.52E-02
AC079781.7	-3.04	8.79E-03	1.52E-02
OR7E38P	-0.67	8.79E-03	1.52E-02
RP11-91J3.3	5.11	8.79E-03	1.52E-02
XLOC_002773	-3.52	8.80E-03	1.53E-02
UQCR10	0.41	8.80E-03	1.53E-02
RP11-350N15.5	0.80	8.80E-03	1.53E-02
SEMA6A	0.62	8.80E-03	1.53E-02
GS1-293C5.1	-3.48	8.81E-03	1.53E-02
MTCO1P29	-3.51	8.81E-03	1.53E-02
IRAK4	-0.30	8.82E-03	1.53E-02
RP11-587D21.1	-1.62	8.83E-03	1.53E-02
RP11-2I17.1	-3.74	8.83E-03	1.53E-02
BUD13P1	-0.96	8.83E-03	1.53E-02
EIF2B5	0.25	8.83E-03	1.53E-02
ARL8B	-0.37	8.84E-03	1.53E-02
SNORD19	-1.31	8.84E-03	1.53E-02
OR7E89P	-2.67	8.85E-03	1.53E-02
GPR39	-1.07	8.86E-03	1.53E-02
VIT	1.12	8.86E-03	1.53E-02
SMIM15	-0.41	8.88E-03	1.54E-02
IMPDH2	0.39	8.89E-03	1.54E-02
SERF1B	1.12	8.89E-03	1.54E-02
KDM4A	-0.21	8.90E-03	1.54E-02
CHST12	0.41	8.90E-03	1.54E-02

NOP58	0.33	8.91E-03	1.54E-02
RN7SKP244	-3.35	8.91E-03	1.54E-02
RP11-540O11.4	-2.98	8.91E-03	1.54E-02
EIF4A1P11	-3.34	8.92E-03	1.54E-02
TRPC3	2.15	8.93E-03	1.54E-02
RP3-405J10.2	1.64	8.93E-03	1.54E-02
CROCC2	2.44	8.93E-03	1.54E-02
ENTPD3-AS1	-0.69	8.93E-03	1.54E-02
TRAJ14	-3.19	8.93E-03	1.54E-02
XLOC_002712	-3.81	8.93E-03	1.54E-02
DUSP7	0.46	8.93E-03	1.55E-02
KDM2A	0.27	8.94E-03	1.55E-02
TXLNG	-0.34	8.94E-03	1.55E-02
RP11-455F5.4	-3.19	8.94E-03	1.55E-02
SNX18P15	-3.47	8.95E-03	1.55E-02
RP11-345P4.6	-1.72	8.96E-03	1.55E-02
CTD-2349P21.6	-2.04	8.96E-03	1.55E-02
HEPHL1	2.01	8.97E-03	1.55E-02
GPR160	0.78	8.98E-03	1.55E-02
CHMP2B	-0.44	8.99E-03	1.55E-02
CTA-440B3.1	-3.29	8.99E-03	1.55E-02
FOXJ1	-0.86	9.00E-03	1.56E-02
SPRR2E	1.13	9.00E-03	1.56E-02
ABCB6	-1.34	9.01E-03	1.56E-02
RP11-411B10.8	-3.08	9.01E-03	1.56E-02
SMARCA1	0.45	9.02E-03	1.56E-02
RP11-669E14.6	-1.35	9.02E-03	1.56E-02
CCNB3	-0.74	9.03E-03	1.56E-02
AP000857.3	-3.52	9.03E-03	1.56E-02
CTD-3222D19.2	-3.44	9.03E-03	1.56E-02
MT1JP	4.30	9.03E-03	1.56E-02
GRM1	-1.52	9.04E-03	1.56E-02
LINC00659	2.57	9.05E-03	1.56E-02
CHODL	-0.67	9.05E-03	1.56E-02
RP11-697E22.2	-2.96	9.06E-03	1.57E-02
RN7SL739P	-3.58	9.07E-03	1.57E-02
GPATCH1	-0.30	9.07E-03	1.57E-02
RP11-597M17.3	-3.40	9.08E-03	1.57E-02
NPIPB3	1.29	9.09E-03	1.57E-02
CADM3	-1.07	9.10E-03	1.57E-02
RP11-315D16.4	-2.53	9.11E-03	1.57E-02
UBE2E1-AS1	2.39	9.11E-03	1.57E-02
COX6B1P3	-3.25	9.11E-03	1.57E-02
RP11-212I21.3	-2.16	9.11E-03	1.57E-02
SIAH1	0.35	9.11E-03	1.57E-02

XLOC_003405	-1.04	9.12E-03	1.57E-02
C20orf203	-1.73	9.12E-03	1.57E-02
RPL21	0.43	9.12E-03	1.57E-02
RPS6P22	-3.69	9.12E-03	1.58E-02
SUN2	0.36	9.13E-03	1.58E-02
MED28P1	-2.90	9.13E-03	1.58E-02
CMPK2	1.44	9.13E-03	1.58E-02
RNA5SP195	-2.98	9.14E-03	1.58E-02
RNU6-514P	-3.33	9.14E-03	1.58E-02
SAP30L	-0.25	9.14E-03	1.58E-02
NMT2	0.32	9.15E-03	1.58E-02
PPP1R3C	0.92	9.15E-03	1.58E-02
C16orf46	1.24	9.15E-03	1.58E-02
AGGF1	-0.31	9.16E-03	1.58E-02
RP11-532F6.5	-2.56	9.16E-03	1.58E-02
CBR1	0.56	9.16E-03	1.58E-02
PPFIA3	0.50	9.16E-03	1.58E-02
HCG11	-0.58	9.18E-03	1.58E-02
MUC21	-4.25	9.19E-03	1.58E-02
PIGX	0.37	9.19E-03	1.59E-02
MIR505	-3.37	9.19E-03	1.59E-02
AC007881.4	-3.44	9.20E-03	1.59E-02
GFRA2	1.05	9.20E-03	1.59E-02
LINC01572	-0.89	9.21E-03	1.59E-02
RAVER2	-0.34	9.21E-03	1.59E-02
OVOL3	-1.81	9.22E-03	1.59E-02
RP11-468E2.10	-1.02	9.22E-03	1.59E-02
EIF3A	0.29	9.22E-03	1.59E-02
RP4-765C7.2	-3.16	9.23E-03	1.59E-02
RP11-1099M24.9	-3.13	9.23E-03	1.59E-02
CTB-58E17.2	-3.20	9.23E-03	1.59E-02
TMPRSS11E	-1.60	9.23E-03	1.59E-02
MALSU1	0.30	9.24E-03	1.59E-02
RP3-475N16.1	-0.86	9.24E-03	1.59E-02
RP11-1096G20.5	-1.41	9.24E-03	1.59E-02
WI2-89927D4.1	-3.60	9.24E-03	1.59E-02
ATP6V1E2	0.52	9.25E-03	1.59E-02
CTD-2373J6.2	-1.82	9.25E-03	1.59E-02
RP11-230C9.2	-1.24	9.27E-03	1.60E-02
RN7SL49P	-2.61	9.27E-03	1.60E-02
ABCA6	-1.03	9.28E-03	1.60E-02
PARP11	0.44	9.28E-03	1.60E-02
RP11-76G10.1	-3.50	9.28E-03	1.60E-02
CTD-2384B9.1	-3.50	9.29E-03	1.60E-02
RP11-119J18.1	-1.08	9.29E-03	1.60E-02

RP4-769N13.7	-2.37	9.30E-03	1.60E-02
RNU6-1048P	-1.98	9.30E-03	1.60E-02
XLOC_013950	1.66	9.31E-03	1.60E-02
FAM95B1	-3.30	9.31E-03	1.60E-02
CICP3	-3.23	9.31E-03	1.60E-02
ZNF330	0.25	9.31E-03	1.60E-02
RP11-63I8.1	-2.63	9.32E-03	1.60E-02
RP11-247I13.11	-2.86	9.32E-03	1.60E-02
SCN3A	-0.98	9.33E-03	1.61E-02
RP11-10O17.1	-1.33	9.33E-03	1.61E-02
GALNT12	0.74	9.33E-03	1.61E-02
RP11-90J7.3	-2.88	9.33E-03	1.61E-02
PLCB1	0.82	9.34E-03	1.61E-02
RP4-809F4.1	-3.31	9.36E-03	1.61E-02
LLPH	-0.29	9.36E-03	1.61E-02
RP11-782C8.3	-3.12	9.36E-03	1.61E-02
NDUFV2-AS1	-0.52	9.37E-03	1.61E-02
WNT9A	0.81	9.37E-03	1.61E-02
PCYOX1L	0.54	9.38E-03	1.61E-02
PHF8	-0.31	9.38E-03	1.61E-02
RP11-583F2.1	-2.23	9.38E-03	1.61E-02
KRTAP17-1	-6.28	9.39E-03	1.62E-02
RNU6-930P	-3.30	9.39E-03	1.62E-02
SCAF4	0.41	9.41E-03	1.62E-02
RPS15AP34	-3.45	9.42E-03	1.62E-02
AC013264.2	-3.79	9.43E-03	1.62E-02
TMOD2	-0.39	9.43E-03	1.62E-02
BCL7A	0.42	9.43E-03	1.62E-02
PCDHB3	-0.85	9.43E-03	1.62E-02
AKR1C6P	-3.05	9.44E-03	1.62E-02
RP11-428P16.3	-3.20	9.45E-03	1.63E-02
MIR1284	-3.57	9.45E-03	1.63E-02
SNORD113	-3.45	9.46E-03	1.63E-02
ZIC2	1.51	9.48E-03	1.63E-02
CTD-2066L21.1	-2.44	9.48E-03	1.63E-02
P2RY14	-0.86	9.48E-03	1.63E-02
RP11-794A8.1	-3.19	9.48E-03	1.63E-02
KRT80	0.56	9.48E-03	1.63E-02
KRTDAP	-0.59	9.49E-03	1.63E-02
XLOC_006299	-3.50	9.49E-03	1.63E-02
AQP4-AS1	-3.72	9.50E-03	1.63E-02
RP11-599B13.9	0.82	9.50E-03	1.63E-02
TDRD12	-2.41	9.51E-03	1.63E-02
FDXACB1	-0.57	9.51E-03	1.63E-02
RP11-481H12.1	1.40	9.51E-03	1.63E-02

RP11-30G8.1	-3.73	9.52E-03	1.64E-02
CTC-524C5.2	-0.89	9.52E-03	1.64E-02
XPO7	-0.24	9.53E-03	1.64E-02
MIR3176	-3.61	9.54E-03	1.64E-02
IL12RB2	0.65	9.54E-03	1.64E-02
MIR1280	-3.23	9.54E-03	1.64E-02
HNRNPH3	0.47	9.54E-03	1.64E-02
MIR4319	-3.57	9.54E-03	1.64E-02
RP1-102E24.10	-1.01	9.55E-03	1.64E-02
NDST1	0.43	9.55E-03	1.64E-02
BFSP2	-2.90	9.56E-03	1.64E-02
GLIDR	0.60	9.56E-03	1.64E-02
MAP1LC3B	0.46	9.57E-03	1.64E-02
RP4-655J12.5	-3.15	9.57E-03	1.64E-02
XLOC_014355	-3.12	9.57E-03	1.64E-02
MIR3926-2	-3.45	9.57E-03	1.64E-02
C1QTNF4	1.27	9.57E-03	1.64E-02
FANCE	0.48	9.58E-03	1.64E-02
SSXP10	-3.37	9.59E-03	1.65E-02
ECEL1P3	-3.28	9.60E-03	1.65E-02
RNA5SP354	-3.13	9.61E-03	1.65E-02
RP11-344N10.4	-3.08	9.62E-03	1.65E-02
RP11-110I1.12	-0.71	9.62E-03	1.65E-02
FLJ16779	2.03	9.62E-03	1.65E-02
MDM1	-0.46	9.63E-03	1.65E-02
EIF2S3L	-2.03	9.63E-03	1.65E-02
PDYN	-3.41	9.63E-03	1.65E-02
UBE2SP2	-3.62	9.64E-03	1.65E-02
G8340	-1.52	9.65E-03	1.65E-02
RP11-444A22.1	-3.47	9.65E-03	1.66E-02
AC118278.1	-1.33	9.65E-03	1.66E-02
UNC119B	0.33	9.66E-03	1.66E-02
IGHG3	2.75	9.67E-03	1.66E-02
ARRDC4	-0.42	9.67E-03	1.66E-02
KRT32	-2.39	9.67E-03	1.66E-02
RP11-554F20.1	-1.33	9.68E-03	1.66E-02
LINC00900	-0.43	9.68E-03	1.66E-02
HNRNPKP1	-3.43	9.68E-03	1.66E-02
RN7SL615P	-3.28	9.69E-03	1.66E-02
FOSB	1.83	9.69E-03	1.66E-02
RP11-711K1.7	-2.16	9.70E-03	1.66E-02
DPYD-IT1	-3.13	9.70E-03	1.66E-02
AP001471.1	3.31	9.70E-03	1.66E-02
RP11-399J13.2	0.85	9.72E-03	1.67E-02
G4303	-2.03	9.72E-03	1.67E-02

RP11-181K3.4	-1.34	9.73E-03	1.67E-02
ZSCAN9	0.43	9.74E-03	1.67E-02
KLK1	-0.75	9.75E-03	1.67E-02
RPL23AP14	-3.37	9.76E-03	1.67E-02
AL365502.1	-3.44	9.76E-03	1.67E-02
RP11-1105O14.1	-3.64	9.77E-03	1.67E-02
10-Sep	-0.40	9.78E-03	1.68E-02
CTC-459M5.1	-2.17	9.79E-03	1.68E-02
ASB4	-1.39	9.79E-03	1.68E-02
FXYD2	-2.56	9.80E-03	1.68E-02
SLC13A2	2.40	9.80E-03	1.68E-02
TRAP1	0.31	9.80E-03	1.68E-02
MSH6	-0.32	9.81E-03	1.68E-02
CTD-2006C1.13	-2.03	9.81E-03	1.68E-02
IDH1-AS1	1.65	9.81E-03	1.68E-02
LINC00327	-0.73	9.81E-03	1.68E-02
CTD-2547L16.1	-1.11	9.81E-03	1.68E-02
RP11-451H23.1	-3.12	9.81E-03	1.68E-02
PROSER3	0.60	9.82E-03	1.68E-02
ANO8	0.55	9.82E-03	1.68E-02
RNF152P1	-2.18	9.82E-03	1.68E-02
RNU6-431P	-2.93	9.83E-03	1.68E-02
AC079753.4	-3.40	9.83E-03	1.68E-02
COX6B1P5	-2.29	9.84E-03	1.68E-02
RP11-565J7.1	-2.94	9.84E-03	1.68E-02
PTPN12	0.36	9.85E-03	1.69E-02
XRCC5	-0.36	9.85E-03	1.69E-02
SEMA3B	-0.98	9.85E-03	1.69E-02
AC104699.1	-3.34	9.86E-03	1.69E-02
SIT1	1.40	9.88E-03	1.69E-02
MAPK15	-1.26	9.88E-03	1.69E-02
RP11-740D6.3	-3.13	9.88E-03	1.69E-02
HNRNPA1P54	-3.65	9.88E-03	1.69E-02
RP11-394I13.3	-2.53	9.89E-03	1.69E-02
RP11-220C2.1	-2.10	9.89E-03	1.69E-02
MAPK8IP3	0.62	9.89E-03	1.69E-02
PLPP4	1.72	9.89E-03	1.69E-02
CHCHD2P6	1.68	9.90E-03	1.69E-02
RP11-214K3.22	-3.16	9.90E-03	1.69E-02
PSMA2P1	-2.86	9.90E-03	1.69E-02
TSPEAR-AS2	-1.73	9.92E-03	1.70E-02
RP11-177G23.2	-2.94	9.92E-03	1.70E-02
RSG1	0.58	9.92E-03	1.70E-02
GTF2E2	0.27	9.93E-03	1.70E-02
RPL7L1P8	-3.19	9.94E-03	1.70E-02

RP1-128O3.6	-3.61	9.95E-03	1.70E-02
RP11-800A3.4	0.85	9.95E-03	1.70E-02
RP5-1100I6.1	-3.15	9.96E-03	1.70E-02
AC016712.1	-4.79	9.97E-03	1.70E-02
RGPD2	-1.63	9.97E-03	1.70E-02
SARM1	-0.61	9.97E-03	1.71E-02
C10orf62	-3.13	9.98E-03	1.71E-02
PRDM1	-0.56	9.99E-03	1.71E-02
CRYAB	0.54	9.99E-03	1.71E-02
MYO1H	1.25	9.99E-03	1.71E-02
ZSCAN4	-1.61	1.00E-02	1.71E-02
CDC26	0.42	1.00E-02	1.71E-02
RP11-43F13.1	0.51	1.00E-02	1.71E-02
C1QTNF9B-AS1	-2.30	1.00E-02	1.71E-02
RP11-384B12.3	-3.43	1.00E-02	1.71E-02
CEACAMP8	-3.28	1.00E-02	1.71E-02
CTB-3M24.2	-2.97	1.00E-02	1.71E-02
LTV1	-0.44	1.00E-02	1.71E-02
RP11-780M14.1	-3.57	1.00E-02	1.71E-02
RP11-153M7.3	2.17	1.00E-02	1.71E-02
RP11-49K24.3	-1.52	1.01E-02	1.72E-02
RP11-154P18.2	1.79	1.01E-02	1.72E-02
TRA2A	0.29	1.01E-02	1.72E-02
RP13-15M17.1	-2.97	1.01E-02	1.72E-02
RP11-420B22.2	-3.22	1.01E-02	1.72E-02
CTD-3037G24.4	-2.29	1.01E-02	1.72E-02
XLOC_014114	2.42	1.01E-02	1.72E-02
RP11-285F7.2	0.69	1.01E-02	1.72E-02
UBE2D3P3	-2.73	1.01E-02	1.73E-02
RP11-640M9.2	-0.64	1.01E-02	1.73E-02
GPC2	-0.96	1.01E-02	1.73E-02
PMS2P11	-3.26	1.01E-02	1.73E-02
P2RY2	0.75	1.01E-02	1.73E-02
OR9I1	-3.32	1.01E-02	1.73E-02
RP11-431N15.2	-3.07	1.02E-02	1.73E-02
MRI1	0.66	1.02E-02	1.73E-02
RN7SL426P	-2.67	1.02E-02	1.73E-02
CD79A	1.90	1.02E-02	1.74E-02
RP11-299G20.5	1.23	1.02E-02	1.74E-02
RP11-11M20.4	-0.94	1.02E-02	1.74E-02
MTCYBP18	-3.12	1.02E-02	1.74E-02
FNBP1	-0.22	1.02E-02	1.74E-02
RPS6P25	-1.70	1.02E-02	1.74E-02
AC005307.3	-2.53	1.02E-02	1.74E-02
MIEF2	0.32	1.02E-02	1.75E-02

COLGALT2	-1.13	1.02E-02	1.75E-02
RP11-574K11.24	0.73	1.02E-02	1.75E-02
RWDD4P2	0.54	1.02E-02	1.75E-02
FAM71C	-3.14	1.02E-02	1.75E-02
AURKA	0.59	1.02E-02	1.75E-02
AC140061.12	-3.61	1.03E-02	1.75E-02
RP11-715J22.2	-3.35	1.03E-02	1.75E-02
ANKRD66	-3.64	1.03E-02	1.75E-02
EIF4EP3	-3.29	1.03E-02	1.75E-02
RP11-157H4.1	-3.34	1.03E-02	1.75E-02
RP1-40E16.9	-3.02	1.03E-02	1.75E-02
PRR9	-2.89	1.03E-02	1.75E-02
bP-21264C1.1	-4.24	1.03E-02	1.75E-02
XLOC_011990	-1.81	1.03E-02	1.75E-02
GLDCP1	-3.29	1.03E-02	1.75E-02
MFSD11	-0.28	1.03E-02	1.76E-02
DNAJC18	0.84	1.03E-02	1.76E-02
RP11-547C13.1	-3.43	1.03E-02	1.76E-02
RP11-201E8.1	-3.26	1.03E-02	1.76E-02
PRPF38A	0.22	1.04E-02	1.76E-02
DNAJC9-AS1	-1.53	1.04E-02	1.76E-02
NRG2	0.66	1.04E-02	1.77E-02
PRDX6	0.41	1.04E-02	1.77E-02
FAM111A	-0.46	1.04E-02	1.77E-02
XLOC_007753	-3.19	1.04E-02	1.77E-02
OPCML	1.61	1.04E-02	1.77E-02
RP6-159A1.4	-1.30	1.04E-02	1.77E-02
ITCH-AS1	-3.23	1.04E-02	1.77E-02
TRAIP	0.46	1.04E-02	1.78E-02
LINC00392	-2.36	1.04E-02	1.78E-02
CTD-2210P15.3	-3.60	1.05E-02	1.78E-02
HMGA2	2.26	1.05E-02	1.78E-02
GS1-166A23.2	-2.30	1.05E-02	1.78E-02
LY86-AS1	-2.03	1.05E-02	1.78E-02
RPL35P5	-1.77	1.05E-02	1.78E-02
XLOC_013424	-0.63	1.05E-02	1.79E-02
LINC01105	-3.72	1.05E-02	1.79E-02
AHI1	-0.49	1.05E-02	1.79E-02
G33410	-1.22	1.05E-02	1.79E-02
C10orf107	2.22	1.05E-02	1.79E-02
ADIPOQ	3.91	1.05E-02	1.79E-02
RP4-555D20.1	-3.48	1.05E-02	1.79E-02
SNORD116-25	-3.54	1.05E-02	1.79E-02
GSX2	-1.26	1.05E-02	1.79E-02
THEMIS	-1.21	1.05E-02	1.79E-02

RNU6-1143P	-3.33	1.05E-02	1.79E-02
XLOC_000964	-3.92	1.05E-02	1.79E-02
CBWD7	-1.71	1.05E-02	1.80E-02
FAM198A	0.94	1.06E-02	1.80E-02
CEACAM4	2.87	1.06E-02	1.80E-02
CMB9-22P13.2	-3.60	1.06E-02	1.80E-02
CCT5	0.40	1.06E-02	1.80E-02
RNU6-181P	-3.35	1.06E-02	1.80E-02
PRR13P2	-2.15	1.06E-02	1.80E-02
ENTHD2	0.78	1.06E-02	1.80E-02
DYNLL2	0.31	1.06E-02	1.80E-02
FADS1	-2.28	1.06E-02	1.80E-02
RP11-485M7.2	-2.39	1.06E-02	1.80E-02
ZNF648	-2.61	1.06E-02	1.80E-02
RNU6-1045P	-3.45	1.06E-02	1.80E-02
CYP2R1	-0.37	1.06E-02	1.80E-02
CTD-2530H12.8	2.17	1.06E-02	1.81E-02
RBBP8	-0.43	1.06E-02	1.81E-02
RN7SKP273	-3.26	1.06E-02	1.81E-02
RP1-137D17.2	1.66	1.06E-02	1.81E-02
IFI44	1.31	1.06E-02	1.81E-02
G25971	-2.52	1.06E-02	1.81E-02
RGS11	1.38	1.06E-02	1.81E-02
RNU6-79P	-3.32	1.07E-02	1.81E-02
YBX1P7	-3.33	1.07E-02	1.81E-02
PPP4R4	-1.06	1.07E-02	1.81E-02
G16011	-1.26	1.07E-02	1.81E-02
AC002044.4	3.00	1.07E-02	1.81E-02
TOX4	0.26	1.07E-02	1.82E-02
TBCE	-0.35	1.07E-02	1.82E-02
HOXB-AS3	-2.62	1.07E-02	1.82E-02
XLOC_014038	-1.45	1.07E-02	1.82E-02
CD300LB	2.25	1.07E-02	1.82E-02
RP11-6J24.3	-2.20	1.07E-02	1.82E-02
CXorf38	-0.37	1.07E-02	1.82E-02
RPS4XP3	-3.65	1.07E-02	1.82E-02
RP11-266J6.2	-3.65	1.07E-02	1.82E-02
LPIN2	0.58	1.08E-02	1.83E-02
RP11-467L13.7	0.62	1.08E-02	1.83E-02
RP11-83N9.5	0.83	1.08E-02	1.83E-02
RP11-392A14.9	-3.00	1.08E-02	1.83E-02
GJD4	2.29	1.08E-02	1.83E-02
FRMD7	-1.82	1.08E-02	1.83E-02
CTB-1144G6.5	-3.58	1.08E-02	1.84E-02
TSPAN31	0.35	1.08E-02	1.84E-02

RP4-736H5.3	-3.21	1.08E-02	1.84E-02
MMP16	-1.13	1.08E-02	1.84E-02
ZSCAN23	-1.40	1.08E-02	1.84E-02
ABHD11-AS1	1.03	1.08E-02	1.84E-02
RP11-345N11.1	-3.30	1.08E-02	1.84E-02
AC097455.1	-3.39	1.09E-02	1.84E-02
PLEC	-0.49	1.09E-02	1.84E-02
XLOC_004671	-3.22	1.09E-02	1.84E-02
RP11-135A1.2	-3.07	1.09E-02	1.84E-02
RP11-314C9.1	-3.01	1.09E-02	1.84E-02
SNAP25	1.85	1.09E-02	1.85E-02
RP11-849F2.7	-2.31	1.09E-02	1.85E-02
PTPRR	1.73	1.09E-02	1.85E-02
CYP2C9	-2.36	1.09E-02	1.85E-02
RN7SL684P	-2.58	1.09E-02	1.85E-02
DDX21	-0.46	1.09E-02	1.86E-02
NARSP2	-3.29	1.09E-02	1.86E-02
AC159540.14	-3.80	1.09E-02	1.86E-02
PHBP21	-3.02	1.10E-02	1.86E-02
RPL7AP60	-1.71	1.10E-02	1.86E-02
XLOC_005549	-3.26	1.10E-02	1.86E-02
NYNRIN	-0.48	1.10E-02	1.86E-02
RP11-391M7.3	-3.27	1.10E-02	1.86E-02
IGDCC4	1.05	1.10E-02	1.86E-02
G36295	-1.95	1.10E-02	1.86E-02
GPR33	-3.32	1.10E-02	1.86E-02
WBP1L	0.35	1.10E-02	1.86E-02
RNFT1	-0.43	1.10E-02	1.86E-02
RP11-317G6.1	-3.20	1.10E-02	1.86E-02
CTD-2653D5.1	-2.30	1.10E-02	1.86E-02
RP3-453C12.15	-2.99	1.10E-02	1.86E-02
ZNF71	0.33	1.10E-02	1.86E-02
SERINC1	-0.40	1.10E-02	1.86E-02
RP11-390K5.6	-1.20	1.10E-02	1.86E-02
TRIM2	-0.57	1.10E-02	1.87E-02
COX10-AS1	-0.45	1.10E-02	1.87E-02
RP11-394J1.2	-3.45	1.10E-02	1.87E-02
ATG12P2	-3.02	1.10E-02	1.87E-02
G34171	-1.36	1.10E-02	1.87E-02
TNNI3	-1.10	1.10E-02	1.87E-02
GLTP	0.44	1.10E-02	1.87E-02
HLA-DRB1	1.17	1.10E-02	1.87E-02
CELSR3	0.68	1.10E-02	1.87E-02
GINS4	0.66	1.11E-02	1.88E-02
1-Dec	2.26	1.11E-02	1.88E-02

HELQ	-0.28	1.11E-02	1.88E-02
SPIDR	0.27	1.11E-02	1.88E-02
PSG8	-3.60	1.11E-02	1.88E-02
ITGA6	0.42	1.11E-02	1.88E-02
CECR7	-0.62	1.11E-02	1.88E-02
CYCSP29	-3.63	1.11E-02	1.88E-02
DOCK3	-0.59	1.11E-02	1.88E-02
ZNF667	-0.85	1.11E-02	1.88E-02
RP11-470P21.2	-2.70	1.11E-02	1.88E-02
CXCL10	2.43	1.11E-02	1.88E-02
RP11-421F16.3	-0.42	1.11E-02	1.88E-02
AC008993.2	-3.12	1.11E-02	1.88E-02
AP000356.1	2.03	1.11E-02	1.88E-02
FBXO48	-0.41	1.11E-02	1.88E-02
XLOC_008957	2.51	1.11E-02	1.88E-02
LRRC23	0.58	1.11E-02	1.89E-02
RPL36A	-0.90	1.11E-02	1.89E-02
MRPL13	0.46	1.12E-02	1.89E-02
ADGRB3	-1.02	1.12E-02	1.89E-02
GATAD2A	0.29	1.12E-02	1.89E-02
RNU6-1306P	-3.55	1.12E-02	1.89E-02
ROPN1L	2.12	1.12E-02	1.89E-02
SAMD12-AS1	-3.10	1.12E-02	1.89E-02
RP11-656D10.3	1.27	1.12E-02	1.89E-02
TMEM178A	1.31	1.12E-02	1.89E-02
TMEM253	-1.51	1.12E-02	1.90E-02
RRM1	-0.41	1.12E-02	1.90E-02
PSMC3IP	0.52	1.12E-02	1.90E-02
TMX3	-0.39	1.12E-02	1.90E-02
AP001619.3	-2.24	1.12E-02	1.90E-02
RP5-967N21.11	-1.47	1.12E-02	1.90E-02
AC006946.17	-1.51	1.12E-02	1.90E-02
CPOX	0.30	1.12E-02	1.90E-02
CEP170	-0.37	1.12E-02	1.90E-02
XLOC_014400	-3.38	1.12E-02	1.90E-02
G39784	-1.88	1.13E-02	1.90E-02
WDR64	-3.25	1.13E-02	1.91E-02
RN7SL663P	-3.06	1.13E-02	1.91E-02
GLYCTK	0.76	1.13E-02	1.91E-02
BMS1P15	2.44	1.13E-02	1.91E-02
RP1-251I12.1	-3.58	1.13E-02	1.91E-02
ARHGAP21	-0.38	1.13E-02	1.91E-02
RP11-134G8.5	0.88	1.13E-02	1.91E-02
RP5-823G15.5	-2.48	1.13E-02	1.91E-02
SEPP1	0.56	1.13E-02	1.91E-02

HTR1B	1.85	1.13E-02	1.91E-02
SRRD	-0.32	1.13E-02	1.91E-02
RN7SL735P	-3.46	1.13E-02	1.91E-02
C15orf40	-0.26	1.13E-02	1.92E-02
ANKRD62P1-PARP4P3	-1.77	1.13E-02	1.92E-02
RP11-400K9.4	0.72	1.14E-02	1.92E-02
AC007318.5	0.60	1.14E-02	1.92E-02
RP11-244O19.1	0.64	1.14E-02	1.92E-02
FAM132A	-1.05	1.14E-02	1.92E-02
AMMECR1L	0.21	1.14E-02	1.92E-02
RP3-522P13.3	-3.40	1.14E-02	1.92E-02
EEF1B2P8	-3.09	1.14E-02	1.92E-02
RPL15P2	-2.90	1.14E-02	1.92E-02
RNU6-883P	-2.95	1.14E-02	1.92E-02
RP11-36C20.1	-1.31	1.14E-02	1.92E-02
BIK	0.77	1.14E-02	1.92E-02
RP11-430B1.1	-1.62	1.14E-02	1.92E-02
AMPD1	-3.43	1.14E-02	1.92E-02
OXT	2.32	1.14E-02	1.93E-02
RP4-651E10.4	-2.02	1.14E-02	1.93E-02
SLC7A10	2.87	1.15E-02	1.93E-02
HSD17B11	0.62	1.15E-02	1.93E-02
ST3GAL5-AS1	-1.42	1.15E-02	1.93E-02
RP3-406P24.4	-2.97	1.15E-02	1.94E-02
CTD-2349P21.12	-3.18	1.15E-02	1.94E-02
LLNLR-304A6.1	-2.93	1.15E-02	1.94E-02
RPS18P12	-2.07	1.15E-02	1.94E-02
ATG12	-0.29	1.15E-02	1.94E-02
RP11-889L3.1	-1.48	1.15E-02	1.94E-02
SLC35E1P1	-1.68	1.15E-02	1.94E-02
CTC-260E6.6	-1.31	1.15E-02	1.94E-02
RN7SL738P	-2.62	1.15E-02	1.94E-02
RP11-411B10.2	-3.08	1.15E-02	1.94E-02
BCO1	-1.06	1.15E-02	1.94E-02
G34275	-1.51	1.15E-02	1.95E-02
RNU6-876P	-2.81	1.15E-02	1.95E-02
AE000661.37	2.47	1.15E-02	1.95E-02
G8412	-0.76	1.16E-02	1.95E-02
ZNF488	-0.70	1.16E-02	1.95E-02
ADAMTS17	-0.52	1.16E-02	1.95E-02
RP11-327F22.1	-3.33	1.16E-02	1.95E-02
RNU7-108P	-3.53	1.16E-02	1.95E-02
RNU1-51P	-3.76	1.16E-02	1.95E-02
CCDC188	1.28	1.16E-02	1.96E-02
TSPAN3	0.40	1.16E-02	1.96E-02

AC005477.1	-3.20	1.16E-02	1.96E-02
ATP11C	-0.39	1.16E-02	1.96E-02
RP11-361F15.5	-3.87	1.16E-02	1.96E-02
MSMO1	-1.10	1.16E-02	1.96E-02
CTD-2158P22.1	-3.28	1.16E-02	1.96E-02
RP5-1028L10.2	-3.04	1.16E-02	1.96E-02
ALG1L11P	-3.06	1.16E-02	1.96E-02
RP11-730K11.1	-3.22	1.16E-02	1.96E-02
KLKB1	1.87	1.16E-02	1.96E-02
PIGH	-0.28	1.17E-02	1.96E-02
MBD4	-0.25	1.17E-02	1.96E-02
RSPO2	4.43	1.17E-02	1.96E-02
RP11-379F4.1	-2.71	1.17E-02	1.96E-02
AL360176.1	-3.14	1.17E-02	1.97E-02
RP11-127B20.3	-1.28	1.17E-02	1.97E-02
RP11-1319K7.1	-1.05	1.17E-02	1.97E-02
SNRPGP6	-3.78	1.17E-02	1.97E-02
CTD-2526A2.2	-1.67	1.17E-02	1.97E-02
NKTR	-0.66	1.17E-02	1.97E-02
ZNF859P	-3.64	1.17E-02	1.97E-02
AC105381.1	-3.06	1.17E-02	1.97E-02
FLNB	0.29	1.17E-02	1.97E-02
RNU6-1010P	2.42	1.17E-02	1.97E-02
CTD-2240J17.2	-3.55	1.17E-02	1.97E-02
KCNK7	-0.64	1.17E-02	1.97E-02
SENP3-EIF4A1	-2.24	1.17E-02	1.97E-02
POLR2C	0.29	1.17E-02	1.97E-02
RNU6-987P	-3.43	1.17E-02	1.97E-02
G31097	0.99	1.17E-02	1.97E-02
CTC-260E6.3	-3.12	1.17E-02	1.97E-02
SLC6A13	-3.07	1.17E-02	1.97E-02
RP11-730A19.5	-1.43	1.17E-02	1.98E-02
RP11-115C21.2	0.54	1.17E-02	1.98E-02
RP11-446F17.3	-3.19	1.18E-02	1.98E-02
RP11-383G6.3	-1.62	1.18E-02	1.98E-02
MIR645	-2.23	1.18E-02	1.98E-02
RP11-769N19.2	-3.27	1.18E-02	1.98E-02
RP11-446E9.1	-1.67	1.18E-02	1.98E-02
AADAT	0.91	1.18E-02	1.98E-02
RNA5SP168	-3.28	1.18E-02	1.98E-02
ZNF286A	-0.39	1.18E-02	1.98E-02
NBEAL2	0.61	1.18E-02	1.98E-02
GNAT1	-3.19	1.18E-02	1.98E-02
GSTT2	2.18	1.18E-02	1.98E-02
G33852	-0.80	1.18E-02	1.98E-02

RNU6-343P	-3.21	1.18E-02	1.98E-02
LRRC42	0.27	1.18E-02	1.99E-02
RP11-83M16.4	-3.20	1.18E-02	1.99E-02
ZNF416	-0.34	1.18E-02	1.99E-02
C9orf170	1.49	1.18E-02	1.99E-02
AC090696.2	-3.48	1.18E-02	1.99E-02
C4orf33	-0.36	1.18E-02	1.99E-02
EIF2AK4	0.21	1.18E-02	1.99E-02
RP11-744O11.2	-2.81	1.18E-02	1.99E-02
PODN	1.05	1.18E-02	1.99E-02
TM9SF2	-0.37	1.18E-02	1.99E-02
C8orf44-SGK3	-3.22	1.19E-02	1.99E-02
MPPED1	-1.50	1.19E-02	1.99E-02
IFT88	-0.30	1.19E-02	2.00E-02
MKRN3	-2.60	1.19E-02	2.00E-02
CBLC	0.41	1.19E-02	2.00E-02
DPRXP5	-3.28	1.19E-02	2.00E-02
RPN2	0.32	1.19E-02	2.00E-02
RP11-395N3.1	-3.29	1.19E-02	2.00E-02
RNA5SP364	-3.83	1.19E-02	2.00E-02
TRAJ30	-3.35	1.19E-02	2.00E-02
RP11-217B7.3	-1.65	1.19E-02	2.00E-02
ZNF329	-0.32	1.19E-02	2.01E-02
SYNE1-AS1	-2.83	1.19E-02	2.01E-02
ARHGEF5	-0.51	1.19E-02	2.01E-02
RP3-395M20.2	-1.86	1.19E-02	2.01E-02
ZSCAN20	-0.42	1.19E-02	2.01E-02
RPL4P6	-1.16	1.20E-02	2.01E-02
RP11-14N7.2	2.77	1.20E-02	2.01E-02
RP11-219A15.1	-2.75	1.20E-02	2.01E-02
KCNAB2	0.58	1.20E-02	2.01E-02
RP11-383C6.2	-3.85	1.20E-02	2.01E-02
HLA-DQA2	1.06	1.20E-02	2.02E-02
RP11-473C19.1	-3.42	1.20E-02	2.02E-02
SSSCA1-AS1	0.76	1.20E-02	2.02E-02
RPL7P10	-3.41	1.20E-02	2.02E-02
PCSK5	0.89	1.20E-02	2.02E-02
BEAN1-AS1	-3.33	1.20E-02	2.02E-02
RP11-53B2.6	-2.24	1.21E-02	2.02E-02
RBM17P4	-1.64	1.21E-02	2.03E-02
ZNF680P1	-3.17	1.21E-02	2.03E-02
PNPT1	-0.31	1.21E-02	2.03E-02
GKN2	-3.62	1.21E-02	2.03E-02
MIR151B	-3.33	1.21E-02	2.03E-02
CTD-2267D19.1	-1.38	1.21E-02	2.03E-02

RP11-809O17.1	1.39	1.21E-02	2.04E-02
RP11-386M24.9	-3.63	1.21E-02	2.04E-02
AC011243.1	-3.30	1.21E-02	2.04E-02
HK1	0.34	1.22E-02	2.04E-02
RNA5SP491	-3.50	1.22E-02	2.04E-02
ZNF423	0.96	1.22E-02	2.04E-02
DDX46	0.31	1.22E-02	2.04E-02
RP11-427P5.3	-2.29	1.22E-02	2.04E-02
RP11-146F11.1	-0.75	1.22E-02	2.04E-02
FASTKD1	-0.42	1.22E-02	2.04E-02
SIGLEC8	-2.09	1.22E-02	2.05E-02
RSPRY1	-0.20	1.22E-02	2.05E-02
CSNK1G2P1	-1.82	1.22E-02	2.05E-02
RP11-596C23.2	-1.68	1.22E-02	2.05E-02
RNU5E-10P	-3.03	1.23E-02	2.05E-02
ACOT12	-3.18	1.23E-02	2.06E-02
KRT38	-2.39	1.23E-02	2.06E-02
XLOC_002840	-1.03	1.23E-02	2.06E-02
PPT2	0.38	1.23E-02	2.06E-02
RP11-538P18.1	-3.29	1.23E-02	2.06E-02
XLOC_004672	1.37	1.23E-02	2.06E-02
LINC00639	1.08	1.23E-02	2.06E-02
NPIPB7	-1.96	1.23E-02	2.07E-02
ZNF274	-0.30	1.23E-02	2.07E-02
RP11-439A17.10	-1.32	1.23E-02	2.07E-02
G909	2.39	1.23E-02	2.07E-02
MRPL57P8	-3.08	1.23E-02	2.07E-02
AIM1	-0.64	1.24E-02	2.07E-02
RP11-326N17.1	-3.58	1.24E-02	2.07E-02
LIMD1-AS1	-1.44	1.24E-02	2.07E-02
CTD-2206G10.2	-3.45	1.24E-02	2.07E-02
G25497	-1.45	1.24E-02	2.07E-02
CAMK2D	-0.33	1.24E-02	2.07E-02
RP1-111B22.3	-2.13	1.24E-02	2.08E-02
GS1-124K5.11	-0.81	1.24E-02	2.08E-02
RNA5SP304	-3.64	1.24E-02	2.08E-02
MTRNR2L4	-2.97	1.24E-02	2.08E-02
RP3-431P23.2	-3.32	1.24E-02	2.08E-02
ASF1B	0.55	1.24E-02	2.08E-02
PRDX3P4	-2.31	1.24E-02	2.08E-02
RN7SL174P	-3.16	1.24E-02	2.08E-02
FITM2	-0.55	1.24E-02	2.08E-02
OPN3	0.41	1.25E-02	2.08E-02
RPL36AP29	-3.22	1.25E-02	2.08E-02
RYR3	-0.89	1.25E-02	2.08E-02

PLIN1	2.74	1.25E-02	2.08E-02
RN7SL610P	-3.09	1.25E-02	2.09E-02
SUPV3L1	-0.21	1.25E-02	2.09E-02
KCTD16	-1.43	1.25E-02	2.09E-02
AC019201.1	-3.57	1.25E-02	2.09E-02
AC116614.1	2.82	1.25E-02	2.09E-02
RP11-796A5.3	-1.80	1.25E-02	2.09E-02
THOC7	0.40	1.25E-02	2.09E-02
SERHL	0.96	1.25E-02	2.09E-02
YWHAZP2	-1.69	1.25E-02	2.09E-02
CTD-2026K11.2	-2.27	1.25E-02	2.09E-02
SERPINB2	-0.70	1.25E-02	2.09E-02
DRAXIN	1.39	1.25E-02	2.09E-02
RP11-67L3.4	-1.23	1.25E-02	2.10E-02
DSCC1	-0.60	1.25E-02	2.10E-02
ATRX	-0.32	1.25E-02	2.10E-02
RP11-661G16.1	-3.50	1.26E-02	2.10E-02
TMEM35	1.13	1.26E-02	2.10E-02
RP11-182N22.8	-3.31	1.26E-02	2.10E-02
RP11-245D16.4	0.89	1.26E-02	2.10E-02
RNU2-63P	-3.28	1.26E-02	2.10E-02
DYRK2	-0.28	1.26E-02	2.11E-02
RP5-967N21.7	-3.38	1.26E-02	2.11E-02
ZNF395	0.37	1.26E-02	2.11E-02
SNORD116-26	-3.48	1.26E-02	2.11E-02
MESTIT1	-2.58	1.26E-02	2.11E-02
NR2F2-AS1	1.33	1.27E-02	2.11E-02
NMRK1	0.33	1.27E-02	2.12E-02
CHRM1	-1.07	1.27E-02	2.12E-02
CBFA2T2	-0.35	1.27E-02	2.12E-02
UGT8	1.02	1.27E-02	2.12E-02
LINC00908	-1.06	1.27E-02	2.12E-02
DMBT1	-1.94	1.27E-02	2.12E-02
PTP4A2	0.35	1.27E-02	2.12E-02
RP11-876N24.2	-3.14	1.27E-02	2.12E-02
VN1R21P	-1.64	1.27E-02	2.13E-02
MIR454	-3.34	1.27E-02	2.13E-02
AP000892.4	-3.17	1.27E-02	2.13E-02
G10252	1.20	1.27E-02	2.13E-02
RNF103	-0.28	1.27E-02	2.13E-02
CFD	-0.98	1.27E-02	2.13E-02
HSBP1	0.35	1.28E-02	2.13E-02
RPS3AP29	-2.20	1.28E-02	2.13E-02
OSBP2	0.48	1.28E-02	2.13E-02
RP11-405M12.3	1.84	1.28E-02	2.13E-02

G26935	-3.13	1.28E-02	2.13E-02
FAM120B	-0.28	1.28E-02	2.13E-02
SLC5A4	2.20	1.28E-02	2.14E-02
RP6-42F4.1	-0.46	1.28E-02	2.14E-02
TMEM59L	2.22	1.28E-02	2.14E-02
SEC31A	0.22	1.28E-02	2.14E-02
PRICKLE2-AS1	-1.96	1.28E-02	2.14E-02
FAM114A1	0.37	1.28E-02	2.14E-02
CCNO	0.71	1.28E-02	2.14E-02
SPATA22	-3.89	1.28E-02	2.14E-02
CYP1B1-AS1	-1.03	1.28E-02	2.14E-02
RP1-92C4.1	-3.56	1.28E-02	2.14E-02
TMSB15B	0.70	1.28E-02	2.14E-02
EBP	0.63	1.28E-02	2.14E-02
APOBEC3D	1.06	1.29E-02	2.14E-02
AC139887.4	-1.97	1.29E-02	2.14E-02
NKAPL	0.67	1.29E-02	2.14E-02
RP11-504I13.3	-1.69	1.29E-02	2.14E-02
IGKV1-22	-3.40	1.29E-02	2.14E-02
RPL23AP50	-2.92	1.29E-02	2.15E-02
C1orf116	-0.47	1.29E-02	2.15E-02
RNU6-628P	-3.36	1.29E-02	2.15E-02
HYI-AS1	1.49	1.29E-02	2.15E-02
ZBTB40	-0.31	1.29E-02	2.15E-02
RP11-13K12.1	1.73	1.29E-02	2.15E-02
CGNL1	-0.72	1.29E-02	2.15E-02
KHNYN	-0.21	1.29E-02	2.15E-02
RP11-1105G2.3	-1.25	1.29E-02	2.15E-02
AC007879.1	-3.22	1.29E-02	2.15E-02
RPS10P18	-3.30	1.29E-02	2.15E-02
PCDH11Y	-2.13	1.29E-02	2.15E-02
GALR3	2.87	1.29E-02	2.16E-02
INSRR	3.30	1.29E-02	2.16E-02
NFKBIZ	-0.51	1.30E-02	2.16E-02
RP11-798G7.7	-1.70	1.30E-02	2.16E-02
LINC01128	0.34	1.30E-02	2.16E-02
RP11-390G14.1	-2.24	1.30E-02	2.16E-02
WI2-85898F10.2	-2.03	1.30E-02	2.16E-02
COL4A3BP	-0.31	1.30E-02	2.16E-02
RP11-554A11.8	-3.26	1.30E-02	2.17E-02
ARL13B	-0.36	1.30E-02	2.17E-02
RNU5A-8P	-3.70	1.30E-02	2.17E-02
AGAP10P	1.48	1.31E-02	2.17E-02
KRT8P33	-0.99	1.31E-02	2.17E-02
ST8SIA6-AS1	1.61	1.31E-02	2.17E-02

RN7SL838P	-3.19	1.31E-02	2.17E-02
SCGB1D5P	-3.69	1.31E-02	2.18E-02
PHKB	-0.21	1.31E-02	2.18E-02
RP11-252C24.2	-3.54	1.31E-02	2.18E-02
G43233	-1.25	1.31E-02	2.18E-02
RP11-346C20.4	3.13	1.31E-02	2.18E-02
ST3GAL5	-0.58	1.31E-02	2.18E-02
RAB28	-0.31	1.31E-02	2.18E-02
RP11-47J17.2	-2.01	1.31E-02	2.18E-02
RNU6-432P	-3.61	1.31E-02	2.18E-02
RP11-311P8.2	-1.65	1.31E-02	2.18E-02
AC004453.8	-0.97	1.31E-02	2.18E-02
CCNA2	-0.52	1.31E-02	2.18E-02
SNORA51	-1.40	1.31E-02	2.18E-02
LRRC18	-1.49	1.31E-02	2.18E-02
CGREF1	0.78	1.31E-02	2.18E-02
ANKRD26P4	-2.27	1.32E-02	2.19E-02
RP11-357P18.2	-3.21	1.32E-02	2.19E-02
RN7SKP269	-2.07	1.32E-02	2.19E-02
CTD-2373J6.1	-1.57	1.32E-02	2.19E-02
KLRK1	-1.56	1.32E-02	2.19E-02
ZC2HC1B	-3.03	1.32E-02	2.19E-02
LINC01344	-2.15	1.32E-02	2.19E-02
RP11-428G5.7	-3.27	1.32E-02	2.19E-02
AC114969.1	-3.51	1.32E-02	2.20E-02
CTD-2162K18.4	-3.04	1.32E-02	2.20E-02
RP11-541M12.6	-1.73	1.32E-02	2.20E-02
RP11-324O2.3	-1.42	1.32E-02	2.20E-02
RP11-50D16.4	-2.14	1.32E-02	2.20E-02
G32279	2.70	1.32E-02	2.20E-02
G24237	-0.84	1.32E-02	2.20E-02
KIFC1	0.51	1.32E-02	2.20E-02
AP2B1	0.29	1.32E-02	2.20E-02
FAAH	0.53	1.32E-02	2.20E-02
MIR3135B	-3.15	1.33E-02	2.20E-02
RP11-156L14.1	-2.98	1.33E-02	2.20E-02
RP11-650K20.2	-3.14	1.33E-02	2.20E-02
GYPA	-3.11	1.33E-02	2.20E-02
AC000124.1	-3.14	1.33E-02	2.21E-02
CASD1	-0.38	1.33E-02	2.21E-02
LARS	-0.32	1.33E-02	2.21E-02
GOLGA2P7	0.73	1.33E-02	2.21E-02
DMXL2	-0.61	1.33E-02	2.21E-02
SDR16C6P	-3.25	1.33E-02	2.21E-02
RNU6-5P	-2.93	1.33E-02	2.21E-02

RNU4-30P	-3.27	1.33E-02	2.22E-02
RP11-138I17.1	-2.93	1.34E-02	2.22E-02
RP11-483P21.6	-2.36	1.34E-02	2.22E-02
RP11-539E19.2	-3.38	1.34E-02	2.22E-02
SLN	1.56	1.34E-02	2.22E-02
RP5-837M10.4	-2.17	1.34E-02	2.22E-02
LYPD2	-0.89	1.34E-02	2.22E-02
AC010884.1	-2.81	1.34E-02	2.23E-02
UBAP2	-0.24	1.34E-02	2.23E-02
RP11-488L18.3	-1.36	1.34E-02	2.23E-02
LINC01100	-4.01	1.34E-02	2.23E-02
TAF4	0.31	1.34E-02	2.23E-02
NEK10	-1.28	1.34E-02	2.23E-02
CTD-2197I11.1	-2.23	1.34E-02	2.23E-02
IMPDH1P11	-3.33	1.34E-02	2.23E-02
RP11-420L9.2	1.67	1.34E-02	2.23E-02
RP11-516C1.1	-3.06	1.34E-02	2.23E-02
MBIP	-0.33	1.34E-02	2.23E-02
SULT4A1	2.65	1.34E-02	2.23E-02
GDAP1	0.45	1.35E-02	2.23E-02
RP11-1105G2.4	-2.89	1.35E-02	2.23E-02
RP11-618L22.1	-2.28	1.35E-02	2.24E-02
MCM3	0.33	1.35E-02	2.24E-02
PTTG3P	-3.26	1.35E-02	2.24E-02
CTB-43E15.1	-1.53	1.35E-02	2.24E-02
ENO3	0.80	1.35E-02	2.24E-02
HCG25	-1.12	1.35E-02	2.24E-02
ERVMER61-1	-2.51	1.35E-02	2.25E-02
ZNF503-AS1	1.18	1.35E-02	2.25E-02
RPS20P10	-3.29	1.35E-02	2.25E-02
DISC1	0.66	1.35E-02	2.25E-02
DLG5	-0.31	1.35E-02	2.25E-02
XLOC_002770	-3.29	1.36E-02	2.25E-02
GAD1	-2.27	1.36E-02	2.25E-02
CDC20P1	0.81	1.36E-02	2.25E-02
CTAGE3P	-3.19	1.36E-02	2.25E-02
LINC01127	0.93	1.36E-02	2.25E-02
RPS18	0.42	1.36E-02	2.25E-02
RP11-115N12.1	-2.46	1.36E-02	2.25E-02
AZGP1	0.70	1.36E-02	2.25E-02
CTB-55O6.8	0.74	1.36E-02	2.25E-02
SRSF3	0.29	1.36E-02	2.26E-02
RN7SL213P	-3.02	1.36E-02	2.26E-02
GRSF1	-0.24	1.36E-02	2.26E-02
CYP51A1	-0.54	1.36E-02	2.26E-02

HHIP-AS1	-1.92	1.36E-02	2.26E-02
XLOC_010945	1.59	1.37E-02	2.26E-02
RP11-181K12.2	-2.77	1.37E-02	2.26E-02
ATP5G1	0.46	1.37E-02	2.26E-02
RP13-497K6.1	-3.40	1.37E-02	2.26E-02
ULBP3	1.30	1.37E-02	2.27E-02
IL33	0.98	1.37E-02	2.27E-02
HLA-H	1.34	1.37E-02	2.27E-02
MIR4677	-3.23	1.37E-02	2.27E-02
XLOC_000648	1.59	1.37E-02	2.27E-02
RP11-83B20.4	-3.46	1.37E-02	2.27E-02
KB-1907C4.2	-3.52	1.37E-02	2.27E-02
AC023481.1	-3.15	1.37E-02	2.27E-02
POM121L6P	-2.41	1.38E-02	2.28E-02
OR52B6	-3.10	1.38E-02	2.28E-02
INSIG1	-1.49	1.38E-02	2.28E-02
INTS3	0.37	1.38E-02	2.28E-02
LINC01142	3.23	1.38E-02	2.29E-02
RP1-251M9.2	-2.96	1.38E-02	2.29E-02
C16orf71	-1.00	1.38E-02	2.29E-02
LINC01068	-2.54	1.38E-02	2.29E-02
MIR302C	-3.19	1.38E-02	2.29E-02
PLPPR4	0.77	1.38E-02	2.29E-02
ZNF90P1	-1.31	1.39E-02	2.29E-02
MIR141	-3.14	1.39E-02	2.30E-02
SMN1	0.41	1.39E-02	2.30E-02
IBA57	-0.34	1.39E-02	2.30E-02
AC073551.1	-3.37	1.39E-02	2.30E-02
HMGN3-AS1	-0.54	1.39E-02	2.30E-02
FAM215B	2.24	1.39E-02	2.30E-02
AL391384.1	-3.26	1.39E-02	2.30E-02
FAM155A	1.94	1.39E-02	2.30E-02
LINC00343	-3.64	1.39E-02	2.31E-02
RP11-61F12.1	-2.95	1.39E-02	2.31E-02
RP11-391L3.5	-1.52	1.39E-02	2.31E-02
SLCO4A1-AS1	-0.83	1.39E-02	2.31E-02
BRI3P1	-2.23	1.40E-02	2.31E-02
AC003973.3	-1.42	1.40E-02	2.31E-02
MYBPHL	-3.09	1.40E-02	2.31E-02
RP11-327E2.5	1.14	1.40E-02	2.31E-02
SMYD3-IT1	-2.06	1.40E-02	2.31E-02
CDK1	-0.57	1.40E-02	2.31E-02
RP11-428P16.2	-1.38	1.40E-02	2.32E-02
RN7SKP171	-3.52	1.40E-02	2.32E-02
RP11-84C10.4	-1.66	1.40E-02	2.32E-02

G34929	1.58	1.40E-02	2.32E-02
RABGAP1L-IT1	-1.56	1.40E-02	2.32E-02
FAM92A1	-0.46	1.40E-02	2.32E-02
MIR4524B	-3.02	1.40E-02	2.32E-02
MX1	1.30	1.40E-02	2.32E-02
RN7SL600P	1.24	1.41E-02	2.33E-02
NOTCH1	0.43	1.41E-02	2.33E-02
STT3B	-0.30	1.41E-02	2.33E-02
SMG8	-0.37	1.41E-02	2.33E-02
RP11-1029J19.4	1.54	1.41E-02	2.33E-02
RPL32P1	-1.94	1.41E-02	2.33E-02
RP11-374A4.1	-3.47	1.41E-02	2.33E-02
RNU6-42P	-3.35	1.41E-02	2.33E-02
CD6	0.85	1.41E-02	2.33E-02
ALDH1A2	-0.70	1.41E-02	2.33E-02
AC069257.6	-2.92	1.41E-02	2.34E-02
RP11-288I21.1	-1.07	1.41E-02	2.34E-02
RPL26P9	-3.41	1.41E-02	2.34E-02
AC006273.5	1.11	1.41E-02	2.34E-02
TUBB	0.35	1.42E-02	2.34E-02
RP11-253E3.3	0.57	1.42E-02	2.34E-02
NUDT19P5	2.04	1.42E-02	2.34E-02
AC007386.3	-3.37	1.42E-02	2.34E-02
NDUFAF6	-0.27	1.42E-02	2.34E-02
RP11-802D6.1	2.04	1.42E-02	2.34E-02
RP11-545E17.3	0.77	1.42E-02	2.34E-02
RP11-323F24.4	-3.33	1.42E-02	2.35E-02
AP001258.4	-0.35	1.42E-02	2.35E-02
ARHGAP28	0.86	1.42E-02	2.35E-02
RP5-864K19.6	-2.45	1.42E-02	2.35E-02
RNU6-1147P	-3.22	1.42E-02	2.35E-02
LAMTOR5P1	-2.49	1.42E-02	2.35E-02
XLOC_014397	-2.13	1.42E-02	2.35E-02
RP11-536C5.2	-3.00	1.42E-02	2.35E-02
RP11-10N16.3	-1.06	1.43E-02	2.35E-02
RP11-782C8.4	-3.26	1.43E-02	2.36E-02
ECD	-0.25	1.43E-02	2.36E-02
RPEP4	-1.65	1.43E-02	2.36E-02
XXbac-B135H6.18	1.10	1.43E-02	2.36E-02
FBXO30	-0.27	1.43E-02	2.36E-02
C19orf18	-1.09	1.43E-02	2.36E-02
CTD-2571E19.3	-3.68	1.43E-02	2.36E-02
MYOT	-1.26	1.43E-02	2.36E-02
C9orf66	0.97	1.43E-02	2.36E-02
SLC7A1	0.46	1.43E-02	2.36E-02

RP5-998H6.2	-3.21	1.43E-02	2.36E-02
ZNF83	-0.53	1.43E-02	2.36E-02
G3616	-1.11	1.43E-02	2.37E-02
AC079613.1	-3.46	1.43E-02	2.37E-02
SLC25A48	-1.15	1.44E-02	2.37E-02
FKBP4	0.42	1.44E-02	2.37E-02
RP1-172B20.6	-2.02	1.44E-02	2.37E-02
RPS6KL1	0.64	1.44E-02	2.37E-02
KCNMA1	-0.57	1.44E-02	2.37E-02
RP11-293G6__A.2	-3.52	1.44E-02	2.37E-02
FAM86GP	1.36	1.44E-02	2.37E-02
RNU6-1156P	-2.95	1.44E-02	2.38E-02
RP11-439E19.6	-3.27	1.44E-02	2.38E-02
RP11-837J7.3	-1.36	1.44E-02	2.38E-02
AC016722.4	-1.31	1.44E-02	2.38E-02
RPL39P36	-1.21	1.44E-02	2.38E-02
RP11-323F24.3	-2.93	1.44E-02	2.38E-02
RP11-799M12.2	-1.70	1.44E-02	2.38E-02
BANF1P2	2.11	1.44E-02	2.38E-02
XLOC_013962	-1.90	1.45E-02	2.38E-02
RPS3AP25	-2.46	1.45E-02	2.38E-02
TLL2	1.28	1.45E-02	2.39E-02
RNU6-414P	-2.96	1.45E-02	2.39E-02
RP11-159F24.6	1.10	1.45E-02	2.39E-02
FGF22	-0.52	1.45E-02	2.39E-02
KIF2C	0.54	1.45E-02	2.40E-02
RPP38	-0.34	1.45E-02	2.40E-02
MIR624	-2.87	1.45E-02	2.40E-02
XLOC_009723	-2.09	1.45E-02	2.40E-02
RNU4-9P	-3.41	1.45E-02	2.40E-02
RN7SL449P	-3.38	1.46E-02	2.40E-02
KRTAP12-1	-5.72	1.46E-02	2.40E-02
ROCK1	0.26	1.46E-02	2.41E-02
XLOC_004069	-3.46	1.46E-02	2.41E-02
LYRM1	-0.34	1.46E-02	2.41E-02
RP11-480G7.2	-2.94	1.46E-02	2.41E-02
PPP6C	-0.35	1.46E-02	2.41E-02
PIGA	-0.36	1.46E-02	2.41E-02
RTCA	0.24	1.46E-02	2.41E-02
TRIB3	-0.40	1.46E-02	2.41E-02
ANKZF1	0.62	1.46E-02	2.41E-02
IGLV5-52	-3.28	1.47E-02	2.42E-02
HKDC1	1.35	1.47E-02	2.42E-02
TCEB3-AS1	-0.85	1.47E-02	2.42E-02
XLOC_014105	-2.47	1.47E-02	2.42E-02

RP11-1103G16.1	-2.76	1.47E-02	2.42E-02
PARP8	-0.36	1.47E-02	2.42E-02
DHTKD1	-0.26	1.47E-02	2.42E-02
DEGS1	-0.49	1.47E-02	2.42E-02
RPL12P42	-2.82	1.47E-02	2.42E-02
AC009480.1	-2.85	1.47E-02	2.42E-02
MUC20P1	-2.33	1.47E-02	2.42E-02
RP11-88I18.3	-3.33	1.47E-02	2.42E-02
BANP	0.40	1.47E-02	2.42E-02
C2orf61	-1.67	1.48E-02	2.43E-02
RCCD1	0.52	1.48E-02	2.43E-02
CTD-3224K15.2	-2.35	1.48E-02	2.43E-02
TMPRSS2	2.01	1.48E-02	2.43E-02
XLOC_005040	-3.20	1.48E-02	2.43E-02
ANKRD20A14P	1.58	1.48E-02	2.43E-02
MIR4432HG	-3.23	1.48E-02	2.43E-02
RP11-91I20.2	-3.02	1.48E-02	2.43E-02
KCNG1	1.46	1.48E-02	2.44E-02
SUZ12	-0.29	1.48E-02	2.44E-02
MIR4500HG	-1.77	1.48E-02	2.44E-02
RASGEF1A	0.77	1.48E-02	2.44E-02
BNIP3P11	-1.26	1.48E-02	2.44E-02
LRRC46	-1.04	1.48E-02	2.44E-02
AC016700.6	-3.16	1.48E-02	2.44E-02
AL096677.1	-3.23	1.49E-02	2.44E-02
CTD-2616J11.10	-3.30	1.49E-02	2.45E-02
GNAL	0.56	1.49E-02	2.45E-02
CPLX2	-2.90	1.49E-02	2.45E-02
RP11-244F12.3	-1.44	1.49E-02	2.45E-02
LOXL1-AS1	0.48	1.49E-02	2.45E-02
SDC4	-0.49	1.49E-02	2.45E-02
BDH2	-0.34	1.49E-02	2.45E-02
G30965	2.13	1.49E-02	2.46E-02
RP11-10A14.4	-1.56	1.50E-02	2.46E-02
ANKRD10	0.42	1.50E-02	2.46E-02
LINC00293	-3.94	1.50E-02	2.46E-02
RRN3	-0.33	1.50E-02	2.46E-02
PIK3AP1	1.09	1.50E-02	2.46E-02
CH507-9B2.3	-1.11	1.50E-02	2.46E-02
THEG	-1.00	1.50E-02	2.46E-02
RP11-440L14.4	-1.44	1.50E-02	2.46E-02
RP11-430B1.2	1.20	1.50E-02	2.46E-02
RP11-802O23.4	-3.04	1.50E-02	2.46E-02
CD5	-0.91	1.50E-02	2.47E-02
XX-DJ76P10__A.2	-3.33	1.50E-02	2.47E-02

RNU4-31P	-3.03	1.50E-02	2.47E-02
MORN3	-0.48	1.50E-02	2.47E-02
CHCHD4P4	-3.36	1.50E-02	2.47E-02
RP11-432I13.6	-1.90	1.51E-02	2.47E-02
RP11-384O8.1	1.02	1.51E-02	2.47E-02
FUT1	0.59	1.51E-02	2.48E-02
PCDH9	-1.07	1.51E-02	2.48E-02
RNU6-194P	1.94	1.51E-02	2.48E-02
XLOC_004724	-3.29	1.51E-02	2.48E-02
TRMT2B-AS1	-3.34	1.51E-02	2.48E-02
RP11-288E14.2	-2.77	1.51E-02	2.48E-02
RP11-761N21.2	-0.79	1.51E-02	2.48E-02
TRAJ19	-3.05	1.51E-02	2.48E-02
KLHL38	2.38	1.51E-02	2.48E-02
GPR35	1.00	1.51E-02	2.48E-02
RP1-47A17.1	-2.57	1.51E-02	2.49E-02
RNU6-406P	-4.36	1.52E-02	2.49E-02
OSGEPL1-AS1	-1.07	1.52E-02	2.49E-02
TMBIM6	0.32	1.52E-02	2.49E-02
CTB-89H12.4	-0.74	1.52E-02	2.49E-02
WDR82P2	-3.62	1.52E-02	2.49E-02
ANKRD20A4	-2.32	1.52E-02	2.49E-02
RP5-1097P24.1	-2.31	1.52E-02	2.49E-02
GAS2	-0.98	1.52E-02	2.49E-02
RP11-102M11.2	-2.70	1.52E-02	2.50E-02
ATP11A	-0.28	1.52E-02	2.50E-02
HMGB1P44	-3.09	1.52E-02	2.50E-02
KAZALD1	0.65	1.52E-02	2.50E-02
XLOC_012016	-1.94	1.53E-02	2.50E-02
AOC2	0.70	1.53E-02	2.50E-02
GNPDA2	-0.38	1.53E-02	2.50E-02
MTND4LP7	-3.55	1.53E-02	2.50E-02
RP5-991G20.2	-1.36	1.53E-02	2.50E-02
AC098617.1	-3.30	1.53E-02	2.51E-02
ADGRA3	-0.30	1.53E-02	2.51E-02
PBX3	-0.38	1.53E-02	2.51E-02
TRPA1	1.61	1.53E-02	2.51E-02
Z69666.2	-1.19	1.53E-02	2.51E-02
AC002486.3	-3.45	1.53E-02	2.51E-02
XLOC_003803	-2.05	1.53E-02	2.51E-02
RP11-75C10.9	-2.84	1.53E-02	2.51E-02
FAM133A	1.66	1.53E-02	2.51E-02
DHDDS	0.28	1.53E-02	2.52E-02
ICOS	-1.36	1.54E-02	2.52E-02
PKNOX2-AS1	-3.35	1.54E-02	2.52E-02

Gene	Value	P-value	Q-value
UBA2	-0.33	1.54E-02	2.52E-02
PMS2P3	-0.55	1.54E-02	2.52E-02
RNU7-109P	-3.12	1.54E-02	2.52E-02
XLOC_005053	-2.06	1.54E-02	2.52E-02
ARPC3P1	-1.76	1.54E-02	2.52E-02
RP11-77O7.1	-2.92	1.54E-02	2.52E-02
MIR3941	-2.51	1.54E-02	2.52E-02
PRPS2	-0.34	1.54E-02	2.52E-02
ANKRD6	0.64	1.54E-02	2.52E-02
LINC00614	-1.82	1.54E-02	2.52E-02
CYSLTR2	-1.00	1.54E-02	2.53E-02
RPS10P2	-2.30	1.54E-02	2.53E-02
VPS35	-0.29	1.54E-02	2.53E-02
OR2T2	-3.59	1.54E-02	2.53E-02
SMARCE1P2	-3.32	1.54E-02	2.53E-02
POP5	0.43	1.54E-02	2.53E-02
SUMF1	0.31	1.55E-02	2.53E-02
RNA5SP48	-3.20	1.55E-02	2.53E-02
RP11-28H5.2	-1.51	1.55E-02	2.53E-02
RP11-293M10.6	-0.73	1.55E-02	2.53E-02
SIX4	1.77	1.55E-02	2.53E-02
RP11-90B9.3	-1.31	1.55E-02	2.53E-02
GPR84	2.00	1.55E-02	2.53E-02
RP11-134E15.1	-3.42	1.55E-02	2.54E-02
CTB-147N14.6	1.44	1.55E-02	2.54E-02
HSPA8P16	-3.40	1.55E-02	2.54E-02
CRISPLD1	1.09	1.55E-02	2.54E-02
GNL2	0.27	1.55E-02	2.54E-02
RNU6-644P	-3.59	1.56E-02	2.54E-02
AC012668.2	-3.39	1.56E-02	2.54E-02
RP11-210H10__A.1	-2.96	1.56E-02	2.55E-02
TWSG1	0.40	1.56E-02	2.55E-02
PON1	-1.89	1.56E-02	2.55E-02
RP11-466A19.6	-2.97	1.56E-02	2.55E-02
RP11-307L14.2	-2.98	1.56E-02	2.55E-02
GRIP2	-0.86	1.56E-02	2.55E-02
RNA5SP18	2.44	1.56E-02	2.56E-02
FCER2	-2.00	1.57E-02	2.56E-02
PRR7	0.59	1.57E-02	2.56E-02
ASNSP5	-3.14	1.57E-02	2.56E-02
RP11-280G9.1	-3.54	1.57E-02	2.57E-02
RP13-516M14.10	1.58	1.57E-02	2.57E-02
G27456	-1.01	1.57E-02	2.57E-02
ANKRD52	0.51	1.57E-02	2.57E-02
ARSB	0.67	1.57E-02	2.57E-02

hsa-mir-150	-3.27	1.57E-02	2.57E-02
RP11-834C11.15	-1.41	1.57E-02	2.57E-02
EML1	-0.37	1.58E-02	2.58E-02
HNRNPR	-0.29	1.58E-02	2.58E-02
DKKL1	2.58	1.58E-02	2.58E-02
OR10A6	-2.89	1.58E-02	2.58E-02
SALL4	1.42	1.58E-02	2.58E-02
FAS	-0.51	1.58E-02	2.58E-02
RP11-326C3.11	1.03	1.58E-02	2.58E-02
RNA5SP494	-2.79	1.58E-02	2.58E-02
RNU6-615P	-3.68	1.58E-02	2.59E-02
AC074212.6	1.31	1.58E-02	2.59E-02
ILF2	0.30	1.58E-02	2.59E-02
AC017035.2	2.38	1.58E-02	2.59E-02
TMEM56-RWDD3	-1.40	1.58E-02	2.59E-02
NWD2	-0.95	1.58E-02	2.59E-02
RTKN	0.35	1.58E-02	2.59E-02
AQP2	3.75	1.58E-02	2.59E-02
RP11-527J8.1	-0.98	1.59E-02	2.59E-02
CTD-2337A12.1	-1.04	1.59E-02	2.59E-02
HCG22	2.88	1.59E-02	2.59E-02
BTNL9	1.04	1.59E-02	2.59E-02
RP11-317N8.3	-2.10	1.59E-02	2.60E-02
ITGAD	1.88	1.59E-02	2.60E-02
CYB5B	0.28	1.59E-02	2.60E-02
SUMO2	0.40	1.60E-02	2.61E-02
ALG5	0.38	1.60E-02	2.61E-02
TIFA	-0.47	1.60E-02	2.61E-02
RP1-292B18.1	-3.05	1.60E-02	2.61E-02
RP11-109A6.3	-0.99	1.60E-02	2.61E-02
ZNF32	0.38	1.60E-02	2.61E-02
AC002066.1	-1.80	1.60E-02	2.61E-02
RPSAP72	-3.23	1.60E-02	2.62E-02
SCPEP1	0.43	1.60E-02	2.62E-02
FAM90A2P	-2.59	1.60E-02	2.62E-02
HIPK1-AS1	-0.94	1.61E-02	2.62E-02
LYSMD1	0.28	1.61E-02	2.62E-02
RASA2-IT1	-1.72	1.61E-02	2.62E-02
ODC1	0.75	1.61E-02	2.62E-02
HNRNPA1P29	-3.23	1.61E-02	2.63E-02
USP32P1	-2.67	1.61E-02	2.63E-02
E2F1	0.46	1.61E-02	2.63E-02
AC078842.4	-3.30	1.61E-02	2.63E-02
RP11-455O6.5	-2.76	1.61E-02	2.63E-02
XLOC_002710	-2.89	1.61E-02	2.63E-02

LA16c-431H6.6	-1.21	1.61E-02	2.63E-02
RIMKLB	0.45	1.62E-02	2.63E-02
SAXO1	-1.31	1.62E-02	2.64E-02
SLC26A2	-0.67	1.62E-02	2.64E-02
RP13-977J11.6	-2.69	1.62E-02	2.64E-02
RP11-219B4.7	-2.32	1.62E-02	2.64E-02
RP11-776A13.3	-2.76	1.62E-02	2.64E-02
RP11-550A5.2	-2.51	1.63E-02	2.65E-02
SLC22A8	-2.88	1.63E-02	2.65E-02
GMCL1	-0.32	1.63E-02	2.65E-02
RAB5B	-0.29	1.63E-02	2.66E-02
DFFBP1	-2.25	1.63E-02	2.66E-02
AC073621.2	1.67	1.63E-02	2.66E-02
RP11-338K17.6	-2.02	1.63E-02	2.66E-02
AMMECR1	-0.44	1.63E-02	2.66E-02
CTSG	1.47	1.63E-02	2.66E-02
ANKRD22	-0.41	1.63E-02	2.66E-02
CTD-2043I16.1	-3.60	1.63E-02	2.66E-02
SLC17A7	0.95	1.63E-02	2.66E-02
RP11-578B16.1	-3.55	1.63E-02	2.66E-02
RIMS1	-1.89	1.63E-02	2.66E-02
DSCAML1	-1.43	1.63E-02	2.66E-02
SMKR1	1.46	1.63E-02	2.66E-02
MIR1180	-2.90	1.63E-02	2.66E-02
RP11-810P12.7	2.14	1.63E-02	2.66E-02
ATP6V0CP1	-2.21	1.64E-02	2.67E-02
CTD-2008L17.1	2.64	1.64E-02	2.67E-02
XIAP-AS1	-1.68	1.64E-02	2.67E-02
CHRNB4	1.96	1.64E-02	2.67E-02
XLOC_009863	-3.42	1.64E-02	2.67E-02
RP11-351M16.4	-2.08	1.64E-02	2.67E-02
RPL32P3	-0.65	1.64E-02	2.67E-02
CTB-3M24.3	-3.36	1.64E-02	2.67E-02
AC026366.1	-3.10	1.64E-02	2.67E-02
ESRG	1.35	1.64E-02	2.67E-02
RP11-135A24.4	-2.08	1.64E-02	2.67E-02
RNU7-4P	-2.95	1.64E-02	2.67E-02
RP11-817I4.1	1.02	1.64E-02	2.68E-02
STAT4	0.93	1.64E-02	2.68E-02
MYADML	-3.04	1.65E-02	2.68E-02
CTB-171A8.1	2.24	1.65E-02	2.68E-02
CLSTN2	-0.80	1.65E-02	2.68E-02
RP11-196H14.2	-3.55	1.65E-02	2.68E-02
SIRPB2	1.17	1.65E-02	2.68E-02
TNFSF4	0.98	1.65E-02	2.68E-02

MIR936	-1.52	1.65E-02	2.69E-02
GJB3	-0.42	1.65E-02	2.69E-02
CD59	0.44	1.65E-02	2.69E-02
HMGA1P5	2.04	1.65E-02	2.69E-02
SLC12A6	-0.28	1.65E-02	2.69E-02
SLC31A1	-0.45	1.66E-02	2.69E-02
RP11-43A14.1	-2.40	1.66E-02	2.69E-02
RNU6-890P	-1.69	1.66E-02	2.69E-02
RP11-574F11.3	-2.32	1.66E-02	2.70E-02
LINC01218	-3.65	1.66E-02	2.70E-02
AL359922.1	-2.58	1.66E-02	2.70E-02
BABAM1	0.32	1.66E-02	2.70E-02
RNU6-936P	-3.13	1.66E-02	2.70E-02
XLOC_004677	-1.71	1.66E-02	2.70E-02
RP11-439K3.3	-3.01	1.66E-02	2.70E-02
TMEM50B	-0.24	1.66E-02	2.70E-02
PCDHB5	0.86	1.66E-02	2.70E-02
DEFB109P1	-3.36	1.66E-02	2.70E-02
PRPF18	-0.29	1.66E-02	2.71E-02
MTRF1LP1	-2.20	1.67E-02	2.71E-02
RP1-41C23.4	-1.37	1.67E-02	2.71E-02
RP11-932O9.9	-2.29	1.67E-02	2.71E-02
FDCSP	4.20	1.67E-02	2.71E-02
G15372	-1.21	1.67E-02	2.71E-02
YTHDC1	0.26	1.67E-02	2.71E-02
RP1-140K8.5	1.48	1.67E-02	2.71E-02
RP11-103J8.2	-3.20	1.67E-02	2.71E-02
DNHD1	-0.74	1.67E-02	2.71E-02
G26247	-1.35	1.67E-02	2.71E-02
KRTAP24-1	-6.56	1.67E-02	2.72E-02
RP11-567M16.1	1.28	1.67E-02	2.72E-02
IMPA1	0.38	1.67E-02	2.72E-02
RP4-756H11.5	0.35	1.67E-02	2.72E-02
SNORD116-29	-3.66	1.67E-02	2.72E-02
RP11-379C10.4	-2.85	1.67E-02	2.72E-02
RNU6-859P	-3.75	1.67E-02	2.72E-02
SUSD1	0.64	1.67E-02	2.72E-02
FOXC1	1.12	1.68E-02	2.72E-02
FOXH1	-1.62	1.68E-02	2.72E-02
RPL7AP64	-0.72	1.68E-02	2.72E-02
AP000704.5	-2.68	1.68E-02	2.72E-02
CTD-2228K2.2	-3.22	1.68E-02	2.72E-02
RSPH3	-0.29	1.68E-02	2.72E-02
CARS2	0.36	1.68E-02	2.72E-02
RP11-573D15.8	1.37	1.68E-02	2.72E-02

RP11-420A6.2	-1.47	1.68E-02	2.72E-02
RP11-776H12.1	-2.47	1.68E-02	2.72E-02
IQCG	-0.29	1.68E-02	2.73E-02
RP11-122K13.7	-2.23	1.68E-02	2.73E-02
XLOC_005569	-3.48	1.68E-02	2.73E-02
PSTK	-0.39	1.68E-02	2.73E-02
METTL4	-0.30	1.68E-02	2.73E-02
AHSA1	0.35	1.68E-02	2.73E-02
RP11-381K20.2	-1.35	1.68E-02	2.73E-02
GOLGA6L9	-1.62	1.68E-02	2.73E-02
RNU6-399P	-3.31	1.68E-02	2.73E-02
LLNLR-276H7.1	-3.13	1.68E-02	2.73E-02
RP11-370A5.1	-1.61	1.69E-02	2.74E-02
NQO2	0.60	1.69E-02	2.74E-02
AC092377.1	-3.46	1.69E-02	2.74E-02
RP11-144F15.1	-2.07	1.69E-02	2.74E-02
RN7SL300P	-3.02	1.69E-02	2.74E-02
CSMD3	-3.22	1.69E-02	2.74E-02
G32993	1.24	1.69E-02	2.74E-02
UMODL1	-1.53	1.69E-02	2.74E-02
IL9RP3	-2.05	1.69E-02	2.74E-02
MVD	0.85	1.69E-02	2.74E-02
FAM27E2	-3.50	1.69E-02	2.74E-02
KB-1639H6.2	-3.32	1.69E-02	2.74E-02
RN7SKP296	-1.57	1.69E-02	2.74E-02
RP11-830F9.6	1.96	1.69E-02	2.74E-02
P2RY10	-0.97	1.70E-02	2.75E-02
OR1F12	-1.91	1.70E-02	2.75E-02
TSSK3	-1.53	1.70E-02	2.75E-02
PER2	-0.63	1.70E-02	2.75E-02
RP11-211N8.2	-1.06	1.70E-02	2.75E-02
C1orf210	0.45	1.70E-02	2.75E-02
AC016745.1	-2.42	1.70E-02	2.75E-02
RP1-278O22.2	-1.74	1.70E-02	2.76E-02
TMEM141	0.41	1.70E-02	2.76E-02
RP11-44D5.2	-3.20	1.70E-02	2.76E-02
LINC01102	-2.75	1.70E-02	2.76E-02
THAP11	0.31	1.70E-02	2.76E-02
RP11-544I20.2	-1.20	1.71E-02	2.76E-02
SDR42E2	-1.46	1.71E-02	2.76E-02
G42897	-0.83	1.71E-02	2.77E-02
PCDHA7	2.28	1.71E-02	2.77E-02
RP11-158H5.2	-1.21	1.71E-02	2.77E-02
PCDHA9	-2.88	1.71E-02	2.77E-02
G3BP2	-0.33	1.71E-02	2.77E-02

ZSCAN31	0.80	1.71E-02	2.77E-02
RP11-517C16.4	-2.13	1.71E-02	2.77E-02
RP11-227D13.4	-2.79	1.71E-02	2.77E-02
CTD-2553L13.5	-2.20	1.71E-02	2.77E-02
LMAN1	0.40	1.71E-02	2.78E-02
FAM66B	-0.83	1.71E-02	2.78E-02
PELI1	-0.37	1.71E-02	2.78E-02
RP11-80H18.3	-1.91	1.71E-02	2.78E-02
CLDN12	-0.29	1.72E-02	2.78E-02
TMED10	-0.31	1.72E-02	2.78E-02
SNRPCP9	-3.41	1.72E-02	2.78E-02
RNU6-517P	-3.30	1.72E-02	2.78E-02
RP11-95I19.1	-2.74	1.72E-02	2.78E-02
CMB9-94B1.2	-2.47	1.72E-02	2.79E-02
EEF1A1P10	-2.86	1.72E-02	2.79E-02
RP11-432N13.2	-3.41	1.72E-02	2.79E-02
AC114808.2	-3.02	1.72E-02	2.79E-02
RP11-424C20.2	0.87	1.73E-02	2.79E-02
CTC-281F24.5	0.85	1.73E-02	2.79E-02
MIR548A3	-3.39	1.73E-02	2.79E-02
KCTD9P1	-3.30	1.73E-02	2.80E-02
RNU6-875P	-3.09	1.73E-02	2.80E-02
BNIP3P5	-2.73	1.73E-02	2.80E-02
DENND2D	-0.43	1.73E-02	2.80E-02
RBFA	-0.38	1.73E-02	2.80E-02
RP11-726G1.1	-1.01	1.73E-02	2.80E-02
TRAJ21	-3.06	1.73E-02	2.80E-02
CSPG4P12	1.06	1.73E-02	2.81E-02
RP4-781K5.6	-2.29	1.73E-02	2.81E-02
LYPLA1	-0.61	1.74E-02	2.81E-02
CTD-2373N4.3	-1.05	1.74E-02	2.81E-02
IGLON5	1.35	1.74E-02	2.81E-02
ADH1A	-2.71	1.74E-02	2.81E-02
RP11-335G20.7	-2.09	1.74E-02	2.82E-02
MIR326	-2.94	1.74E-02	2.82E-02
HTR4	-1.90	1.75E-02	2.82E-02
RNU6-335P	-2.85	1.75E-02	2.83E-02
CD177	2.81	1.75E-02	2.83E-02
MIR4513	-3.22	1.75E-02	2.83E-02
NPTN	0.26	1.75E-02	2.83E-02
CTA-384D8.31	3.19	1.75E-02	2.83E-02
G15987	-2.76	1.75E-02	2.83E-02
BCAP31P2	2.49	1.75E-02	2.83E-02
CTD-2541M15.3	-1.93	1.75E-02	2.83E-02
PPME1	0.27	1.75E-02	2.83E-02

KRTAP8-1	-3.25	1.75E-02	2.83E-02
AC096649.2	-3.27	1.75E-02	2.83E-02
RP11-572F4.1	-2.94	1.75E-02	2.83E-02
RP11-114F10.2	-1.37	1.75E-02	2.84E-02
RP1-15D23.2	-2.00	1.76E-02	2.84E-02
RP11-473M20.16	-0.81	1.76E-02	2.84E-02
IGFBP5	-0.69	1.76E-02	2.84E-02
AGAP5	-1.74	1.76E-02	2.84E-02
RP11-242F11.2	-3.26	1.76E-02	2.84E-02
CTD-2619J13.3	-1.02	1.76E-02	2.84E-02
ARHGEF37	-0.44	1.76E-02	2.84E-02
TSPYL4	0.26	1.76E-02	2.84E-02
RP11-428G2.1	-3.78	1.76E-02	2.84E-02
RAB12	-0.32	1.76E-02	2.84E-02
SNORD93	-2.59	1.76E-02	2.84E-02
NUP85	0.25	1.76E-02	2.84E-02
RP11-327J17.2	1.96	1.76E-02	2.85E-02
RP11-242D8.3	-2.69	1.76E-02	2.85E-02
NENFP1	-3.09	1.76E-02	2.85E-02
USP27X-AS1	0.56	1.76E-02	2.85E-02
UNC13A	1.63	1.76E-02	2.85E-02
ACTR8	-0.25	1.76E-02	2.85E-02
MTERF4	0.27	1.77E-02	2.85E-02
LCA5	0.66	1.77E-02	2.85E-02
BCL2A1	1.00	1.77E-02	2.85E-02
KDM4E	-2.12	1.77E-02	2.85E-02
RP11-110G21.1	0.40	1.77E-02	2.86E-02
G12733	2.35	1.77E-02	2.86E-02
CTSV	-0.64	1.77E-02	2.86E-02
NDUFB4	0.39	1.77E-02	2.86E-02
CD3D	1.20	1.77E-02	2.86E-02
FAM214A	-0.40	1.77E-02	2.86E-02
ADRA1B	1.83	1.77E-02	2.86E-02
RN7SKP134	-3.08	1.77E-02	2.86E-02
NBPF16	-0.72	1.77E-02	2.86E-02
G42267	-2.75	1.77E-02	2.86E-02
RP11-367B6.2	-3.02	1.78E-02	2.86E-02
RP11-734K21.5	-1.15	1.78E-02	2.86E-02
AC104534.2	-1.32	1.78E-02	2.87E-02
PPP1R3D	0.32	1.78E-02	2.87E-02
MIR4252	-3.27	1.78E-02	2.87E-02
MEIS3P2	1.24	1.78E-02	2.87E-02
RN7SL506P	-3.17	1.78E-02	2.88E-02
STOX1	-0.83	1.78E-02	2.88E-02
Z98049.1	-1.63	1.78E-02	2.88E-02

RP11-775D22.3	-1.65	1.79E-02	2.88E-02
CCDC57	0.57	1.79E-02	2.88E-02
RHEBP2	1.82	1.79E-02	2.88E-02
IGKV6-21	-2.43	1.79E-02	2.89E-02
LINC01621	1.48	1.79E-02	2.89E-02
C1orf145	-0.92	1.79E-02	2.89E-02
CTTNBP2	-0.61	1.79E-02	2.89E-02
CTD-2325P2.3	1.69	1.79E-02	2.89E-02
MYOZ1	1.33	1.79E-02	2.89E-02
RP11-555K12.2	-1.39	1.80E-02	2.89E-02
RP11-73M18.10	-1.22	1.80E-02	2.89E-02
RP11-85B7.2	-1.72	1.80E-02	2.90E-02
RP11-461A8.5	-2.79	1.80E-02	2.90E-02
RNU6-711P	-2.37	1.80E-02	2.90E-02
ARL6IP1	-0.36	1.80E-02	2.90E-02
AC005954.3	-3.55	1.80E-02	2.90E-02
AC009229.5	-2.17	1.80E-02	2.90E-02
RPL39P26	-2.85	1.80E-02	2.90E-02
RP11-589N15.2	-0.89	1.80E-02	2.90E-02
RP11-24B13.2	-2.10	1.80E-02	2.90E-02
DCAF13	-0.31	1.80E-02	2.90E-02
RP11-457M11.6	-3.19	1.80E-02	2.90E-02
RP11-973H7.3	-0.59	1.80E-02	2.90E-02
RP11-665C16.6	-2.24	1.80E-02	2.91E-02
ADAMTS9-AS1	-1.09	1.80E-02	2.91E-02
LINC01354	1.45	1.80E-02	2.91E-02
TLR6	-0.59	1.81E-02	2.91E-02
RP11-20O24.4	-0.65	1.81E-02	2.91E-02
RP11-489M13.1	-3.19	1.81E-02	2.91E-02
XLOC_007894	-2.02	1.81E-02	2.91E-02
KB-1615E4.2	-3.24	1.81E-02	2.91E-02
INHA	1.03	1.81E-02	2.92E-02
ARMC10	-0.27	1.81E-02	2.92E-02
CFAP47	-2.76	1.81E-02	2.92E-02
LRRC37A5P	1.93	1.81E-02	2.92E-02
RPL23AP95	-2.28	1.81E-02	2.92E-02
RNU6ATAC23P	-3.40	1.81E-02	2.92E-02
GATSL2	-1.38	1.81E-02	2.92E-02
CTD-2330K9.3	-2.52	1.81E-02	2.92E-02
ISCA2	0.30	1.82E-02	2.92E-02
RP11-181K12.1	-2.58	1.82E-02	2.92E-02
HIBADH	0.45	1.82E-02	2.93E-02
CTD-2515H24.2	-1.27	1.82E-02	2.93E-02
RP11-572M11.3	-1.37	1.82E-02	2.93E-02
CWF19L2	0.35	1.82E-02	2.93E-02

LRRC49	-0.42	1.82E-02	2.93E-02
G353	1.70	1.82E-02	2.93E-02
IGKV1-17	5.82	1.82E-02	2.93E-02
RP11-1100L3.8	2.90	1.82E-02	2.93E-02
AC062029.1	0.70	1.82E-02	2.93E-02
G22346	-1.55	1.83E-02	2.94E-02
CLIC5	1.05	1.83E-02	2.94E-02
RP11-73M18.11	-1.54	1.83E-02	2.94E-02
CFAP61	-1.38	1.83E-02	2.94E-02
MTMR2	-0.25	1.83E-02	2.94E-02
RP11-380O24.1	-3.02	1.83E-02	2.94E-02
RBMS3-AS1	-3.48	1.83E-02	2.94E-02
RP11-293M10.1	-2.37	1.83E-02	2.94E-02
RP11-303E16.7	-2.85	1.83E-02	2.94E-02
IGKC	2.05	1.83E-02	2.94E-02
RP11-108L7.15	1.31	1.83E-02	2.94E-02
FAM138B	-3.12	1.83E-02	2.94E-02
CFAP57	-0.98	1.83E-02	2.95E-02
PLXNA1	0.28	1.83E-02	2.95E-02
RP11-12J10.3	-1.34	1.83E-02	2.95E-02
CCL14	1.23	1.84E-02	2.95E-02
HIST2H2BD	1.62	1.84E-02	2.95E-02
HLA-G	-1.99	1.84E-02	2.96E-02
AC145343.2	3.18	1.84E-02	2.96E-02
AC004019.13	-2.61	1.84E-02	2.96E-02
AC016735.1	-2.84	1.84E-02	2.96E-02
RP11-756H20.1	-3.41	1.84E-02	2.96E-02
EEF1D	-0.26	1.84E-02	2.96E-02
RP1-168L15.6	-1.76	1.84E-02	2.96E-02
AF011889.2	-1.81	1.85E-02	2.97E-02
USP14	-0.29	1.85E-02	2.97E-02
KATNBL1P2	-2.88	1.85E-02	2.97E-02
CTA-444M12.3	-3.00	1.85E-02	2.97E-02
CTD-2574D22.2	-0.76	1.85E-02	2.97E-02
RP11-174N3.4	-2.89	1.85E-02	2.97E-02
RP11-73O6.3	-2.55	1.85E-02	2.97E-02
G25266	-3.26	1.85E-02	2.97E-02
CLDN10	2.98	1.85E-02	2.98E-02
XLOC_008674	-1.86	1.85E-02	2.98E-02
RAET1G	0.72	1.86E-02	2.98E-02
RP11-476H24.1	-3.38	1.86E-02	2.98E-02
RPL39P40	2.10	1.86E-02	2.98E-02
RTN1	-0.81	1.86E-02	2.98E-02
RP11-45F15.1	-3.45	1.86E-02	2.98E-02
RGPD6	-1.69	1.86E-02	2.98E-02

RP11-333J10.2	-2.47	1.86E-02	2.98E-02
RNU6-188P	-3.06	1.86E-02	2.98E-02
CAMKK1	0.52	1.86E-02	2.98E-02
AC015849.13	-1.00	1.86E-02	2.98E-02
ALG1L13P	-1.69	1.86E-02	2.98E-02
SGCZ	-2.58	1.86E-02	2.99E-02
RP11-640I2.1	-2.91	1.86E-02	2.99E-02
KCNK12	1.20	1.86E-02	2.99E-02
MRPS10P2	-2.77	1.86E-02	2.99E-02
TMEM220	-0.35	1.87E-02	2.99E-02
RYR2	-0.72	1.87E-02	2.99E-02
NDUFA11	-0.42	1.87E-02	2.99E-02
TCEAL1	0.42	1.87E-02	2.99E-02
SIAH2	0.33	1.87E-02	2.99E-02
MYOF	0.25	1.87E-02	2.99E-02
TACSTD2	0.37	1.87E-02	3.00E-02
RPSAP13	-2.28	1.87E-02	3.00E-02
KDSR	-0.27	1.87E-02	3.00E-02
RP11-13N13.6	-2.31	1.87E-02	3.00E-02
RP11-809N8.6	-3.32	1.87E-02	3.01E-02
LEO1	-0.37	1.87E-02	3.01E-02
RNU1-63P	-2.89	1.88E-02	3.01E-02
HNRNPA1P66	-3.13	1.88E-02	3.01E-02
PPFIBP2	0.26	1.88E-02	3.01E-02
ARRDC3	-0.43	1.88E-02	3.01E-02
CACNA1B	1.49	1.88E-02	3.01E-02
SUCLG2P2	-2.74	1.88E-02	3.01E-02
MIR548O	-2.07	1.88E-02	3.01E-02
SRPX2	1.12	1.88E-02	3.01E-02
FAM155B	2.35	1.88E-02	3.01E-02
CTC-529I10.2	-0.91	1.88E-02	3.02E-02
RNU7-110P	-3.35	1.88E-02	3.02E-02
RP11-570L15.2	-3.42	1.88E-02	3.02E-02
HP1BP3	-0.23	1.88E-02	3.02E-02
RP11-788M5.4	-3.16	1.89E-02	3.02E-02
RP11-715J22.6	-1.44	1.89E-02	3.02E-02
RP11-1252D15.1	1.17	1.89E-02	3.02E-02
MIR1271	-2.86	1.89E-02	3.02E-02
MIR4480	-2.99	1.89E-02	3.03E-02
POLR3A	-0.29	1.89E-02	3.03E-02
AL022345.10	-2.12	1.89E-02	3.03E-02
XLOC_002876	-3.09	1.89E-02	3.03E-02
RP5-837J1.6	-2.15	1.89E-02	3.03E-02
CSTF2	0.31	1.89E-02	3.03E-02
RP11-185E8.2	1.53	1.90E-02	3.03E-02

MGC32805	1.67	1.90E-02	3.04E-02
G22509	1.77	1.90E-02	3.04E-02
MOV10	-0.31	1.90E-02	3.04E-02
RP11-87N24.1	-3.65	1.90E-02	3.04E-02
EMX1	-1.32	1.90E-02	3.04E-02
RP5-1052I5.2	-3.45	1.90E-02	3.04E-02
SORD	-0.62	1.90E-02	3.04E-02
RNU6-808P	-2.82	1.90E-02	3.04E-02
DERA	0.30	1.90E-02	3.05E-02
CSTF1	-0.23	1.91E-02	3.05E-02
CPEB1-AS1	-2.98	1.91E-02	3.05E-02
G13548	-2.54	1.91E-02	3.05E-02
RPRD1B	-0.18	1.91E-02	3.05E-02
DDX20	-0.26	1.91E-02	3.05E-02
DBH	2.60	1.91E-02	3.05E-02
RP11-343H19.1	-1.77	1.91E-02	3.05E-02
CACYBPP2	-1.58	1.91E-02	3.06E-02
AIM1L	0.48	1.91E-02	3.06E-02
SNORD56B	-3.42	1.91E-02	3.06E-02
RP11-355N15.1	-3.10	1.91E-02	3.06E-02
ATP5G2P3	-2.83	1.91E-02	3.06E-02
KB-1396H2.2	-2.46	1.91E-02	3.06E-02
RP11-462G12.1	1.65	1.91E-02	3.06E-02
CCDC74B	0.97	1.91E-02	3.06E-02
SYF2P2	-2.91	1.92E-02	3.07E-02
SNX18	-0.30	1.92E-02	3.07E-02
LINC00907	-1.53	1.92E-02	3.07E-02
RP11-421N8.1	-2.06	1.92E-02	3.07E-02
RP11-317N8.4	-2.99	1.92E-02	3.07E-02
RP5-1073O3.2	2.30	1.92E-02	3.07E-02
RP11-429E11.2	1.21	1.92E-02	3.08E-02
RP11-254A24.2	-1.82	1.92E-02	3.08E-02
Z95704.5	-1.31	1.93E-02	3.08E-02
RNA5SP300	-3.10	1.93E-02	3.08E-02
TMEM147-AS1	-0.69	1.93E-02	3.08E-02
RP11-244H3.1	1.10	1.93E-02	3.08E-02
XLOC_008109	1.55	1.93E-02	3.08E-02
LINC01607	2.03	1.93E-02	3.09E-02
RCOR1	-0.25	1.93E-02	3.09E-02
PCYT1B	1.07	1.93E-02	3.09E-02
MTCP1	-0.90	1.93E-02	3.09E-02
PET100	-0.65	1.93E-02	3.09E-02
STAT2	0.27	1.93E-02	3.09E-02
YEATS2	0.33	1.94E-02	3.09E-02
RP4-740C4.7	-1.18	1.94E-02	3.09E-02

G43427	-2.40	1.94E-02	3.10E-02
ZNF429	-0.47	1.94E-02	3.10E-02
ERHP2	-2.69	1.94E-02	3.10E-02
AC005152.3	2.31	1.94E-02	3.10E-02
COL6A5	-1.33	1.94E-02	3.10E-02
RP11-468O2.1	-1.63	1.94E-02	3.10E-02
PIGK	-0.37	1.94E-02	3.10E-02
AC110769.3	-2.29	1.94E-02	3.10E-02
SERPINA11	1.79	1.94E-02	3.10E-02
RP11-872D17.8	-2.32	1.95E-02	3.11E-02
RP11-82L20.1	-3.63	1.95E-02	3.11E-02
ATP6V0E2	0.55	1.95E-02	3.11E-02
RPS26P28	-2.66	1.95E-02	3.11E-02
RP11-134G8.7	0.98	1.95E-02	3.11E-02
GSTP1P1	-2.86	1.95E-02	3.11E-02
AC073957.15	-3.26	1.95E-02	3.11E-02
RP11-923I11.4	-3.50	1.95E-02	3.11E-02
RP11-85G20.1	-3.24	1.95E-02	3.11E-02
GPRC5D	-1.17	1.95E-02	3.12E-02
FBN3	-2.00	1.95E-02	3.12E-02
HSPE1P28	-2.09	1.95E-02	3.12E-02
USP2-AS1	1.64	1.96E-02	3.12E-02
RP11-529E10.7	-1.30	1.96E-02	3.12E-02
RNU1-91P	-2.42	1.96E-02	3.12E-02
RPL23AP86	-2.75	1.96E-02	3.12E-02
RP11-111A21.1	-2.18	1.96E-02	3.13E-02
RP11-563J2.3	-1.35	1.96E-02	3.13E-02
RP1-100J12.1	-2.81	1.96E-02	3.13E-02
GM2A	0.33	1.96E-02	3.13E-02
LA16c-361A3.3	-1.12	1.97E-02	3.14E-02
RP11-83B20.3	-2.53	1.97E-02	3.14E-02
RNA5SP203	-2.45	1.97E-02	3.14E-02
PITHD1	0.34	1.97E-02	3.14E-02
AC104772.1	-3.90	1.97E-02	3.14E-02
RP11-347C18.1	-2.37	1.97E-02	3.15E-02
AC108488.4	1.12	1.97E-02	3.15E-02
XLOC_011382	-2.45	1.98E-02	3.15E-02
TTL	0.29	1.98E-02	3.16E-02
LINC01569	0.81	1.98E-02	3.16E-02
BOD1L1	-0.28	1.98E-02	3.16E-02
CTD-2227C6.2	-3.18	1.98E-02	3.16E-02
H3F3B	0.48	1.98E-02	3.16E-02
AC138647.1	-1.96	1.99E-02	3.17E-02
IGFBP6	1.05	1.99E-02	3.17E-02
SLC22A3	-0.38	1.99E-02	3.17E-02

Z83001.1	-1.31	1.99E-02	3.18E-02
RP11-63M22.1	-1.21	1.99E-02	3.18E-02
AC008781.7	-2.76	1.99E-02	3.18E-02
ADHFE1	-0.86	2.00E-02	3.18E-02
TBC1D24	-0.40	2.00E-02	3.18E-02
PRSS3	0.57	2.00E-02	3.18E-02
AC104457.1	-3.00	2.00E-02	3.18E-02
MIR3157	-3.30	2.00E-02	3.19E-02
G26252	-2.79	2.00E-02	3.19E-02
RP11-57B24.1	-3.05	2.00E-02	3.19E-02
APH1B	-0.46	2.01E-02	3.20E-02
RNASE2	1.57	2.01E-02	3.20E-02
FBP2	-3.55	2.01E-02	3.20E-02
C20orf144	-1.22	2.01E-02	3.20E-02
G34082	2.41	2.01E-02	3.20E-02
RP11-542B15.1	2.96	2.01E-02	3.20E-02
AC074338.4	-1.58	2.01E-02	3.20E-02
RP11-424M21.1	-1.23	2.02E-02	3.21E-02
RP11-575H3.1	-3.15	2.02E-02	3.22E-02
RP11-510M2.2	-2.44	2.02E-02	3.22E-02
ISCA1	0.34	2.02E-02	3.22E-02
HMGB1P3	-2.89	2.02E-02	3.22E-02
G358	-1.13	2.02E-02	3.22E-02
RNF114	0.22	2.02E-02	3.22E-02
MBD5	-0.36	2.02E-02	3.22E-02
HERPUD2	0.20	2.03E-02	3.23E-02
SEMA3A	1.15	2.03E-02	3.23E-02
CNTNAP3P5	-3.53	2.03E-02	3.23E-02
RP11-466A19.8	-1.60	2.03E-02	3.23E-02
AC005159.1	-3.43	2.03E-02	3.23E-02
RP11-91P24.1	-1.30	2.03E-02	3.24E-02
RNA5SP219	-1.44	2.03E-02	3.24E-02
ZNF286B	-0.42	2.04E-02	3.24E-02
RP11-397E7.4	1.12	2.04E-02	3.24E-02
SMIM10L1	0.48	2.04E-02	3.24E-02
CTD-2302E22.6	-1.53	2.04E-02	3.25E-02
RPS3A	-0.39	2.04E-02	3.25E-02
TMEM206	0.41	2.05E-02	3.26E-02
ZNF511	0.50	2.05E-02	3.26E-02
PPCS	0.32	2.05E-02	3.26E-02
GOLGA2P5	-0.78	2.05E-02	3.26E-02
RP13-514E23.1	-2.79	2.05E-02	3.27E-02
LRTM1	-3.12	2.05E-02	3.27E-02
OSTCP2	-3.35	2.05E-02	3.27E-02
HIGD1AP16	-2.27	2.05E-02	3.27E-02

EHD4-AS1	-1.45	2.05E-02	3.27E-02
RP11-712L6.8	-2.96	2.06E-02	3.27E-02
DDX50	-0.28	2.06E-02	3.27E-02
PCNPP5	-2.96	2.06E-02	3.28E-02
CHEK2	0.39	2.06E-02	3.28E-02
PRSS30P	2.02	2.06E-02	3.28E-02
DYNAP	2.53	2.06E-02	3.28E-02
CDCA4	0.36	2.06E-02	3.28E-02
RP11-473M20.9	1.09	2.07E-02	3.29E-02
KLC3	0.55	2.07E-02	3.29E-02
POLR3D	0.28	2.07E-02	3.29E-02
MAB21L3	-0.53	2.07E-02	3.29E-02
CTD-2574D22.3	-0.86	2.07E-02	3.29E-02
CD48	1.08	2.07E-02	3.29E-02
RP11-351A11.1	-1.64	2.07E-02	3.29E-02
LINC01018	-1.20	2.07E-02	3.29E-02
FZD5	0.66	2.07E-02	3.30E-02
RP11-469H8.6	2.48	2.07E-02	3.30E-02
RP11-227G15.9	-2.09	2.08E-02	3.30E-02
RP11-248G5.9	-1.68	2.08E-02	3.30E-02
SRSF6	0.38	2.08E-02	3.30E-02
NPPC	1.39	2.08E-02	3.30E-02
AC005752.10	-1.47	2.08E-02	3.30E-02
RP11-277P12.9	-1.71	2.08E-02	3.30E-02
MRPL52	0.24	2.08E-02	3.30E-02
RP11-687M24.7	-2.69	2.08E-02	3.30E-02
RP11-443F16.1	-2.31	2.08E-02	3.30E-02
RP11-253A20.1	-1.52	2.08E-02	3.30E-02
NAAA	0.38	2.08E-02	3.31E-02
SCUBE2	0.62	2.08E-02	3.31E-02
RP11-162A12.4	-1.84	2.08E-02	3.31E-02
RNU2-7P	-2.47	2.08E-02	3.31E-02
RPL13AP20	1.31	2.09E-02	3.31E-02
RP11-932O9.8	-2.11	2.09E-02	3.31E-02
RPL15P4	-3.33	2.09E-02	3.31E-02
PPP1R16A	0.45	2.09E-02	3.31E-02
RP11-248M19.1	-1.15	2.09E-02	3.32E-02
CHI3L1	1.47	2.09E-02	3.32E-02
KTN1	-0.37	2.09E-02	3.32E-02
SSTR1	1.20	2.09E-02	3.32E-02
CTC-497E21.5	-2.13	2.09E-02	3.32E-02
GLG1	-0.26	2.09E-02	3.32E-02
AC063932.1	-3.40	2.09E-02	3.32E-02
FRMPD2	2.46	2.09E-02	3.32E-02
G17366	1.52	2.09E-02	3.32E-02

RP4-781K5.9	-3.07	2.10E-02	3.33E-02
CTA-384D8.35	1.57	2.10E-02	3.33E-02
MTCYBP23	-3.41	2.10E-02	3.33E-02
IFFO2	-0.46	2.10E-02	3.33E-02
PADI3	-1.84	2.10E-02	3.33E-02
GTF2IP20	0.64	2.10E-02	3.34E-02
CASC10	0.51	2.11E-02	3.34E-02
ANKRD12	0.36	2.11E-02	3.34E-02
RP11-667K14.8	-1.88	2.11E-02	3.35E-02
C2orf72	1.54	2.11E-02	3.35E-02
RP11-259G18.3	-5.37	2.11E-02	3.35E-02
NOL6	0.35	2.11E-02	3.35E-02
MTCO3P15	-3.30	2.12E-02	3.35E-02
EGLN2	-0.59	2.12E-02	3.35E-02
OTUD7B	-0.24	2.12E-02	3.36E-02
ANO7	1.15	2.12E-02	3.36E-02
PABPC1P3	-1.17	2.12E-02	3.36E-02
SOX11	2.19	2.12E-02	3.36E-02
TSKS	2.20	2.12E-02	3.36E-02
FBXO32	0.50	2.12E-02	3.36E-02
ESRP1	-0.35	2.12E-02	3.36E-02
TRDC	1.39	2.12E-02	3.36E-02
LINC01060	2.64	2.12E-02	3.36E-02
EEF1A1P39	-3.36	2.12E-02	3.36E-02
MICAL1	0.38	2.12E-02	3.36E-02
ZNF536	-1.42	2.12E-02	3.36E-02
AC008703.1	-2.92	2.12E-02	3.36E-02
NHLRC1	0.46	2.12E-02	3.36E-02
GS1-259H13.2	-0.97	2.12E-02	3.36E-02
SPERT	2.52	2.12E-02	3.36E-02
MIR32	-2.90	2.12E-02	3.37E-02
CPN2	3.40	2.12E-02	3.37E-02
AMDHD1	-0.84	2.13E-02	3.37E-02
NOL7	-0.41	2.13E-02	3.37E-02
RP11-91P24.3	-2.85	2.13E-02	3.37E-02
AC011239.2	-1.41	2.13E-02	3.37E-02
RP11-12A20.12	-3.25	2.13E-02	3.37E-02
CTD-2521M24.6	1.66	2.13E-02	3.38E-02
DEFB108B	-2.95	2.13E-02	3.38E-02
MTND4P19	-2.89	2.13E-02	3.38E-02
PLCE1-AS2	-3.14	2.13E-02	3.38E-02
AC110084.1	-1.64	2.13E-02	3.38E-02
RNA5SP385	-2.30	2.13E-02	3.38E-02
XLOC_002945	-3.03	2.14E-02	3.38E-02
RP11-686D22.4	1.62	2.14E-02	3.38E-02

SATB2	0.61	2.14E-02	3.38E-02
CTB-31O20.8	-2.09	2.14E-02	3.39E-02
ZP3	0.63	2.14E-02	3.39E-02
RP11-686O6.1	-2.84	2.14E-02	3.39E-02
C4BPA	2.60	2.14E-02	3.39E-02
TBPL1	-0.27	2.14E-02	3.39E-02
SCARNA14	-2.98	2.14E-02	3.39E-02
AC079466.1	-3.25	2.14E-02	3.39E-02
TEFM	-0.34	2.15E-02	3.40E-02
LINC01159	-2.88	2.15E-02	3.40E-02
PCDHA4	1.68	2.15E-02	3.40E-02
RP11-403I13.7	0.74	2.15E-02	3.40E-02
CTC-1337H24.3	-2.42	2.15E-02	3.40E-02
TUBAP4	-3.18	2.15E-02	3.41E-02
MIR3682	-1.25	2.15E-02	3.41E-02
RN7SL364P	1.74	2.16E-02	3.41E-02
RP6-91H8.3	2.66	2.16E-02	3.41E-02
RP11-603J24.14	-2.84	2.16E-02	3.41E-02
RP11-282O18.7	-2.19	2.16E-02	3.41E-02
XLOC_010475	-3.05	2.16E-02	3.42E-02
G11405	-2.05	2.16E-02	3.42E-02
GPR75-ASB3	-2.75	2.16E-02	3.42E-02
ZNF740	0.22	2.16E-02	3.42E-02
AC005076.5	1.03	2.16E-02	3.42E-02
G32346	-3.07	2.17E-02	3.42E-02
RNU6-216P	-2.35	2.17E-02	3.42E-02
IGDCC3	1.90	2.17E-02	3.43E-02
LRRFIP1P1	1.28	2.17E-02	3.43E-02
AEBP2	-0.32	2.17E-02	3.43E-02
ZBTB14	-0.23	2.17E-02	3.43E-02
MRPS23	0.28	2.17E-02	3.43E-02
FUCA1P1	-3.08	2.17E-02	3.44E-02
RP1-302G2.5	1.60	2.17E-02	3.44E-02
RPL17	-0.43	2.18E-02	3.44E-02
SNORA73	-1.86	2.18E-02	3.44E-02
TMEM190	-2.65	2.18E-02	3.44E-02
LINC01237	-1.27	2.18E-02	3.44E-02
RP11-63L7.5	-2.86	2.18E-02	3.44E-02
DIO3	1.29	2.18E-02	3.44E-02
DRICH1	-1.27	2.18E-02	3.44E-02
RP13-122B23.8	2.33	2.18E-02	3.45E-02
RNU6-1177P	-2.86	2.18E-02	3.45E-02
RP11-3D4.2	-1.12	2.18E-02	3.45E-02
RP11-484D2.5	-1.27	2.19E-02	3.45E-02
RP11-148L24.1	-1.89	2.19E-02	3.46E-02

SIRPG	1.87	2.19E-02	3.46E-02
RPL21P54	-3.10	2.19E-02	3.46E-02
RP11-284B18.3	-1.43	2.19E-02	3.46E-02
YAF2	-0.30	2.19E-02	3.46E-02
RSU1P3	-2.91	2.20E-02	3.47E-02
UBE2D1	0.39	2.20E-02	3.47E-02
RNU6-571P	-2.81	2.20E-02	3.47E-02
MAT2B	0.33	2.20E-02	3.47E-02
RP11-258C19.7	-0.60	2.20E-02	3.47E-02
RP11-384A12.1	-3.06	2.20E-02	3.47E-02
SDHAF3	0.44	2.20E-02	3.47E-02
FAM189A2	-0.74	2.20E-02	3.47E-02
RN7SL629P	-2.54	2.20E-02	3.48E-02
PHF24	-0.79	2.20E-02	3.48E-02
RP11-712L6.5	0.77	2.20E-02	3.48E-02
ZDHHC2	-0.87	2.21E-02	3.48E-02
CFHR1	5.74	2.21E-02	3.49E-02
TFP1	-1.34	2.21E-02	3.49E-02
AC007246.3	-0.37	2.21E-02	3.49E-02
AC002398.11	-3.54	2.21E-02	3.49E-02
RPS15AP1	1.09	2.21E-02	3.49E-02
HSPA7	0.82	2.21E-02	3.49E-02
PGAM1P5	-2.12	2.21E-02	3.49E-02
RP11-219O3.2	-3.37	2.21E-02	3.49E-02
SYT13	1.99	2.21E-02	3.49E-02
VTA1	-0.32	2.21E-02	3.49E-02
ARHGAP40	-0.63	2.22E-02	3.50E-02
ENTPD4	-0.31	2.22E-02	3.50E-02
FAM104A	-0.26	2.22E-02	3.50E-02
C3orf67-AS1	-3.47	2.22E-02	3.50E-02
OR2A3P	-2.66	2.22E-02	3.50E-02
STX16-NPEPL1	-1.43	2.22E-02	3.50E-02
SCN5A	-1.24	2.22E-02	3.50E-02
G264	0.95	2.22E-02	3.50E-02
RSPH10B	-2.47	2.22E-02	3.50E-02
KCNT1	1.30	2.22E-02	3.50E-02
RP11-18H21.1	2.79	2.22E-02	3.50E-02
GLUD1	-0.33	2.22E-02	3.50E-02
RP11-6N17.4	0.52	2.22E-02	3.51E-02
C15orf41	-0.36	2.23E-02	3.51E-02
RP11-165M1.2	-2.72	2.23E-02	3.51E-02
BZW1	0.39	2.23E-02	3.51E-02
AC015933.2	-3.27	2.23E-02	3.51E-02
CAT	-0.55	2.23E-02	3.51E-02
PHKA1P1	-1.69	2.23E-02	3.52E-02

ZPBP	-1.53	2.23E-02	3.52E-02
AC005534.8	-2.11	2.23E-02	3.52E-02
RP11-196E1.3	-2.47	2.23E-02	3.52E-02
ALG9-IT1	-2.82	2.23E-02	3.52E-02
CTD-2165H16.3	-2.74	2.24E-02	3.52E-02
RP11-452G18.1	-2.86	2.24E-02	3.53E-02
RP11-340F14.6	-1.00	2.24E-02	3.53E-02
RN7SL724P	-1.98	2.24E-02	3.53E-02
RP11-655M14.13	-1.06	2.24E-02	3.53E-02
CD180	1.22	2.24E-02	3.53E-02
RP11-734J24.1	-2.05	2.24E-02	3.53E-02
KLK6	2.01	2.25E-02	3.54E-02
RPL23AP10	-2.25	2.25E-02	3.54E-02
ERC1	-0.29	2.25E-02	3.55E-02
RP11-282E4.1	-2.14	2.25E-02	3.55E-02
RP11-30K9.1	-2.63	2.25E-02	3.55E-02
NDUFA1	0.40	2.25E-02	3.55E-02
RP11-126F18.2	-2.37	2.25E-02	3.55E-02
ZFYVE21	0.26	2.26E-02	3.56E-02
RP11-208G20.2	-3.10	2.26E-02	3.56E-02
LINC01107	-3.15	2.26E-02	3.56E-02
TRPM5	-2.58	2.26E-02	3.56E-02
ZNF233	-0.87	2.26E-02	3.56E-02
RP11-478B9.1	-3.40	2.27E-02	3.57E-02
MXRA5Y	1.24	2.27E-02	3.57E-02
RP5-1153D9.5	-2.93	2.27E-02	3.57E-02
RP11-25B7.1	-2.34	2.27E-02	3.57E-02
RAP1AP	-2.81	2.27E-02	3.57E-02
MIR3164	-2.86	2.27E-02	3.57E-02
SESN1	-0.38	2.27E-02	3.57E-02
DPY19L1P2	-1.82	2.27E-02	3.58E-02
CPQ	0.57	2.27E-02	3.58E-02
G18713	1.74	2.27E-02	3.58E-02
PRED62	2.39	2.27E-02	3.58E-02
XLOC_005339	-2.48	2.28E-02	3.58E-02
ZNF251	0.35	2.28E-02	3.58E-02
NSA2	0.46	2.28E-02	3.59E-02
HIST1H2APS3	-3.30	2.28E-02	3.59E-02
RP11-837J7.4	-2.78	2.28E-02	3.59E-02
MIR3137	-3.25	2.28E-02	3.59E-02
ARCN1	0.24	2.28E-02	3.59E-02
AQP7	1.65	2.29E-02	3.60E-02
XLOC_012879	2.12	2.29E-02	3.60E-02
MGAT4A	-0.48	2.29E-02	3.60E-02
RP11-764K9.1	-2.93	2.29E-02	3.60E-02

RP11-505K9.4	-1.38	2.29E-02	3.60E-02
RP11-499E18.1	1.08	2.29E-02	3.61E-02
CCNA1	2.49	2.30E-02	3.61E-02
A4GNT	-1.71	2.30E-02	3.61E-02
ETV5	0.51	2.30E-02	3.61E-02
RP11-359G22.2	2.97	2.30E-02	3.61E-02
OAS3	0.60	2.30E-02	3.61E-02
RP11-21B23.2	-0.89	2.30E-02	3.61E-02
RAX	1.43	2.30E-02	3.61E-02
RACGAP1	-0.33	2.30E-02	3.62E-02
RP11-333E1.1	-1.21	2.30E-02	3.62E-02
RN7SKP217	-3.15	2.30E-02	3.62E-02
RP11-204C16.4	-1.97	2.30E-02	3.62E-02
RP11-713P17.5	-3.65	2.30E-02	3.62E-02
PGAM4	-2.16	2.30E-02	3.62E-02
RP11-944L7.4	-0.94	2.31E-02	3.63E-02
RP11-304L19.2	-2.93	2.31E-02	3.63E-02
HNRNPA1P37	-3.16	2.31E-02	3.63E-02
KL	0.80	2.31E-02	3.63E-02
RP11-370A5.2	2.16	2.31E-02	3.63E-02
KCNS3	0.61	2.31E-02	3.63E-02
CTC-526N19.1	-0.47	2.31E-02	3.63E-02
AC096574.5	-2.73	2.31E-02	3.63E-02
OVOS2	1.28	2.31E-02	3.63E-02
RNU6-288P	-3.15	2.31E-02	3.64E-02
RP11-497H17.1	-1.41	2.32E-02	3.64E-02
SORBS2	0.65	2.32E-02	3.64E-02
FAM103A2P	1.67	2.32E-02	3.64E-02
SMAP1	0.33	2.32E-02	3.65E-02
RP11-31H5.2	-3.31	2.32E-02	3.65E-02
CTC-459F4.9	-0.86	2.32E-02	3.65E-02
RP11-106D4.3	-2.70	2.32E-02	3.65E-02
SIRT4	0.53	2.33E-02	3.65E-02
RERG-AS1	-2.91	2.33E-02	3.66E-02
AC104986.1	-2.61	2.33E-02	3.66E-02
XLOC_010144	-3.36	2.33E-02	3.66E-02
ZC3H13	0.26	2.34E-02	3.67E-02
KIF14	-0.56	2.34E-02	3.67E-02
PAK1IP1	0.40	2.34E-02	3.67E-02
SPDYE21P	-1.04	2.34E-02	3.67E-02
RP11-338L18.1	-3.25	2.34E-02	3.67E-02
TMEM120B	-0.39	2.34E-02	3.68E-02
AC006028.11	-3.25	2.34E-02	3.68E-02
NPIPB5	0.97	2.34E-02	3.68E-02
AMZ1	-1.05	2.34E-02	3.68E-02

AC007790.4	-1.60	2.34E-02	3.68E-02
G42642	-0.65	2.34E-02	3.68E-02
KRT16P4	1.31	2.35E-02	3.68E-02
G40762	-0.55	2.35E-02	3.68E-02
GRK6P1	-1.63	2.35E-02	3.68E-02
CSTF3	-0.29	2.35E-02	3.68E-02
RP11-556H2.2	-3.43	2.35E-02	3.68E-02
ASPRV1	0.68	2.35E-02	3.68E-02
XLOC_000974	-1.74	2.35E-02	3.68E-02
FAM81A	0.61	2.35E-02	3.68E-02
TGFA	-0.42	2.35E-02	3.68E-02
ARL15	0.36	2.35E-02	3.68E-02
SMNDC1	-0.25	2.35E-02	3.68E-02
C15orf59-AS1	-1.73	2.35E-02	3.69E-02
RP11-214K3.23	-2.00	2.35E-02	3.69E-02
GS1-358P8.4	-0.50	2.35E-02	3.69E-02
PNRC2P1	-2.70	2.36E-02	3.69E-02
CTB-60B18.12	-2.01	2.36E-02	3.69E-02
SNAP91	-3.12	2.36E-02	3.70E-02
FKBP9P1	0.78	2.36E-02	3.70E-02
ZNF692	0.73	2.36E-02	3.70E-02
C8orf59P2	-3.02	2.36E-02	3.70E-02
RP11-115N4.1	2.09	2.36E-02	3.71E-02
RP11-505P4.7	-2.95	2.36E-02	3.71E-02
UCA1	-0.95	2.37E-02	3.71E-02
RP11-719K4.7	-3.26	2.37E-02	3.71E-02
KRTAP12-2	-4.89	2.37E-02	3.71E-02
AC083875.1	-3.00	2.37E-02	3.71E-02
RNU6-344P	-3.44	2.37E-02	3.71E-02
MCF2	-2.56	2.37E-02	3.71E-02
ELF4	0.37	2.37E-02	3.71E-02
DCX	-2.19	2.37E-02	3.72E-02
TMEM9B	-0.34	2.37E-02	3.72E-02
FIGNL2	1.53	2.37E-02	3.72E-02
LCTL	1.93	2.38E-02	3.72E-02
TSACC	-1.52	2.38E-02	3.72E-02
PRC1	-0.32	2.38E-02	3.72E-02
SLC6A1	1.51	2.38E-02	3.72E-02
AL117334.1	-3.14	2.38E-02	3.73E-02
LRCH2	0.95	2.38E-02	3.73E-02
SEMA7A	0.44	2.38E-02	3.73E-02
C14orf142	0.35	2.38E-02	3.73E-02
LPXN	0.58	2.39E-02	3.74E-02
IL1R1	0.39	2.39E-02	3.74E-02
RP11-530N7.3	-1.50	2.39E-02	3.74E-02

ABRACL	0.50	2.39E-02	3.74E-02
AC024704.2	-3.20	2.39E-02	3.74E-02
RP11-361H10.5	-2.83	2.39E-02	3.75E-02
RP13-143G15.4	-1.49	2.39E-02	3.75E-02
G36656	4.13	2.39E-02	3.75E-02
B4GALT3	0.23	2.40E-02	3.75E-02
RHOA-IT1	-1.32	2.40E-02	3.75E-02
HNF1A	-2.92	2.40E-02	3.76E-02
AC005488.11	-2.92	2.40E-02	3.76E-02
FNTA	-0.19	2.40E-02	3.76E-02
THRA1/BTR	-2.62	2.41E-02	3.77E-02
RP11-74E22.3	1.17	2.41E-02	3.77E-02
CTD-2007H13.1	-2.84	2.41E-02	3.77E-02
AC009274.6	-2.28	2.41E-02	3.77E-02
RP11-10O17.3	-2.08	2.41E-02	3.77E-02
CTD-2203K17.1	1.30	2.41E-02	3.77E-02
MIR425	-3.08	2.41E-02	3.78E-02
PLA2G6	0.66	2.41E-02	3.78E-02
KB-1205A7.2	-2.34	2.42E-02	3.78E-02
ZNF665	-0.44	2.42E-02	3.78E-02
UBAC2-AS1	-0.59	2.42E-02	3.79E-02
RP11-38G5.2	-2.80	2.42E-02	3.79E-02
RP11-227D13.2	-3.01	2.43E-02	3.80E-02
TUBB8P7	1.90	2.43E-02	3.80E-02
GBAS	0.31	2.43E-02	3.80E-02
RP11-687M24.8	-2.72	2.43E-02	3.80E-02
RP13-104F24.2	-1.00	2.43E-02	3.80E-02
RP11-255P5.3	-3.08	2.43E-02	3.80E-02
RP11-745L13.2	-2.83	2.43E-02	3.80E-02
CENPM	0.70	2.43E-02	3.81E-02
RNF133	-2.70	2.43E-02	3.81E-02
ZNF529-AS1	-0.64	2.44E-02	3.81E-02
CARD18	-0.80	2.44E-02	3.81E-02
RPL35P2	0.91	2.44E-02	3.82E-02
LINC00847	0.61	2.44E-02	3.82E-02
RP11-25K19.1	1.38	2.45E-02	3.82E-02
DLC1	0.68	2.45E-02	3.82E-02
METAP1D	0.49	2.45E-02	3.82E-02
AC007381.3	-1.04	2.45E-02	3.82E-02
DLAT	-0.34	2.45E-02	3.83E-02
AC026150.8	-1.31	2.45E-02	3.83E-02
XXbac-BPG252P9.10	-3.05	2.45E-02	3.83E-02
RP11-337N6.2	-1.07	2.45E-02	3.83E-02
MIR708	-1.95	2.45E-02	3.83E-02
DDX3P2	-3.32	2.45E-02	3.83E-02

MAGEE1	0.36	2.45E-02	3.83E-02
RP11-855A2.1	0.99	2.46E-02	3.84E-02
RP11-817O13.8	0.65	2.46E-02	3.84E-02
SAMSN1	1.11	2.46E-02	3.84E-02
CTC-215O4.4	-1.36	2.46E-02	3.84E-02
RP11-134D3.1	-3.06	2.46E-02	3.85E-02
RASAL1	0.52	2.46E-02	3.85E-02
G2447	-1.42	2.47E-02	3.85E-02
SERP2	0.93	2.47E-02	3.85E-02
RP11-461L13.4	-2.87	2.47E-02	3.85E-02
CENPA	-0.68	2.47E-02	3.86E-02
PNMA6A	2.01	2.47E-02	3.86E-02
RP11-97N19.2	-2.62	2.47E-02	3.86E-02
RNU6-10P	-2.89	2.47E-02	3.86E-02
CTD-2350J17.1	-3.24	2.47E-02	3.86E-02
RAE1	0.20	2.47E-02	3.86E-02
CCDC43	-0.33	2.47E-02	3.86E-02
METTL12	-0.64	2.48E-02	3.87E-02
MIR5010	-1.78	2.48E-02	3.87E-02
RP11-629N8.4	-3.02	2.48E-02	3.87E-02
XLOC_011506	-2.76	2.48E-02	3.88E-02
C2orf44	-0.32	2.49E-02	3.88E-02
RP11-175B9.2	-1.56	2.49E-02	3.88E-02
ARMCX3	0.48	2.49E-02	3.89E-02
LINGO2	-1.87	2.49E-02	3.89E-02
RP11-318C24.1	-2.89	2.49E-02	3.89E-02
GFPT2	0.86	2.49E-02	3.89E-02
G15477	-3.81	2.49E-02	3.89E-02
PTPN2	0.19	2.49E-02	3.89E-02
RP11-672L10.2	4.53	2.49E-02	3.89E-02
TRAJ29	-3.28	2.49E-02	3.89E-02
CTD-2547L16.3	-1.95	2.50E-02	3.89E-02
XLOC_011549	-3.63	2.50E-02	3.89E-02
DEK	-0.35	2.50E-02	3.90E-02
RP11-305M3.2	1.57	2.50E-02	3.90E-02
AC187652.1	1.97	2.50E-02	3.90E-02
RP11-538D16.2	-2.61	2.50E-02	3.90E-02
NANP	-0.34	2.50E-02	3.90E-02
CTD-3051D23.1	-2.13	2.50E-02	3.90E-02
RN7SL698P	-2.30	2.50E-02	3.90E-02
RP11-251G23.5	-0.62	2.50E-02	3.91E-02
ERICH6B	-2.67	2.51E-02	3.91E-02
PPP3CC	0.36	2.51E-02	3.91E-02
LINC00504	-0.74	2.51E-02	3.91E-02
RP11-349F21.2	-3.04	2.51E-02	3.91E-02

RP11-2E17.2	-2.71	2.51E-02	3.92E-02
G8296	-2.78	2.51E-02	3.92E-02
RHOH	0.91	2.51E-02	3.92E-02
RP11-1020A11.1	-1.33	2.51E-02	3.92E-02
MAB21L1	-1.33	2.51E-02	3.92E-02
AC018643.4	-2.90	2.52E-02	3.92E-02
RNU6-476P	-2.51	2.52E-02	3.92E-02
RP11-30L3.2	-1.61	2.52E-02	3.92E-02
AMIGO1	-0.52	2.52E-02	3.93E-02
EPHX2	-0.47	2.52E-02	3.93E-02
AC079922.2	-2.79	2.52E-02	3.93E-02
NISCH	0.39	2.52E-02	3.93E-02
CTGLF11P	-3.17	2.52E-02	3.93E-02
TAGLN3	-2.66	2.53E-02	3.93E-02
RPL30P13	-2.99	2.53E-02	3.94E-02
DNAH10OS	0.98	2.53E-02	3.94E-02
RNU2-38P	-1.98	2.53E-02	3.94E-02
SUSD4	0.82	2.53E-02	3.94E-02
G11194	-1.70	2.53E-02	3.94E-02
RP5-965G21.4	1.38	2.53E-02	3.94E-02
KRTAP1-1	-4.67	2.53E-02	3.94E-02
PHF5CP	-2.79	2.53E-02	3.95E-02
ANKRD24	0.94	2.53E-02	3.95E-02
TMPRSS3	1.52	2.54E-02	3.95E-02
SLC2A1-AS1	-0.83	2.54E-02	3.95E-02
RN7SL412P	-2.20	2.54E-02	3.96E-02
RECQL4	0.55	2.54E-02	3.96E-02
NTM	0.82	2.54E-02	3.96E-02
CDRT1	-1.21	2.54E-02	3.96E-02
RP11-54C4.3	0.58	2.54E-02	3.96E-02
UBE2F-SCLY	-2.84	2.55E-02	3.96E-02
YTHDF2	0.26	2.55E-02	3.97E-02
LINC01054	-2.36	2.55E-02	3.97E-02
TRAPPC12-AS1	-0.80	2.55E-02	3.97E-02
MGC45922	-1.87	2.55E-02	3.97E-02
RNU6-611P	1.56	2.56E-02	3.98E-02
CTB-35F21.1	-2.89	2.56E-02	3.98E-02
OLR1	2.80	2.56E-02	3.98E-02
RP11-400F19.18	-0.84	2.56E-02	3.98E-02
CLUHP3	-0.56	2.56E-02	3.99E-02
CXCR3	1.40	2.56E-02	3.99E-02
KLK12	-0.94	2.57E-02	3.99E-02
RP11-475D10.4	-3.46	2.57E-02	3.99E-02
CPT1A	0.45	2.57E-02	3.99E-02
SYTL4	0.90	2.57E-02	3.99E-02

RP11-77G23.5	-2.74	2.57E-02	4.00E-02
RN7SKP160	-1.61	2.57E-02	4.00E-02
ATG4A	0.39	2.57E-02	4.00E-02
GCKR	2.09	2.57E-02	4.00E-02
CTD-2012K14.8	1.36	2.58E-02	4.01E-02
PDE3B	-0.56	2.58E-02	4.01E-02
SLFN12L	-0.86	2.58E-02	4.01E-02
AC110926.4	-2.62	2.58E-02	4.01E-02
TNPO3	-0.18	2.58E-02	4.02E-02
RP11-247C2.2	1.87	2.59E-02	4.02E-02
RP11-815J4.6	1.72	2.59E-02	4.02E-02
ST6GALNAC5	1.17	2.59E-02	4.02E-02
AC006116.12	-2.50	2.59E-02	4.02E-02
TXNDC9	-0.41	2.59E-02	4.03E-02
RP11-863K10.2	-3.77	2.59E-02	4.03E-02
RP3-508I15.20	-1.40	2.59E-02	4.03E-02
PDZD7	0.99	2.59E-02	4.03E-02
SH3YL1	-0.57	2.59E-02	4.03E-02
G32306	-1.93	2.59E-02	4.03E-02
CERS4	0.51	2.60E-02	4.03E-02
CTNND1	-0.26	2.60E-02	4.03E-02
IKBKB	0.36	2.60E-02	4.03E-02
RP11-588D3.1	-3.18	2.60E-02	4.03E-02
RN7SL350P	-3.00	2.60E-02	4.03E-02
RP11-305O6.3	-1.26	2.60E-02	4.04E-02
RP11-423H2.3	1.31	2.60E-02	4.04E-02
RP11-361I14.2	-1.98	2.60E-02	4.04E-02
CTC-542B22.2	-0.98	2.60E-02	4.04E-02
SCLY	-0.80	2.60E-02	4.04E-02
AC066692.3	-2.19	2.60E-02	4.05E-02
MPPED2	1.18	2.61E-02	4.05E-02
AC004980.9	-3.03	2.61E-02	4.05E-02
AKT3-IT1	-2.37	2.61E-02	4.05E-02
EIF3KP1	-2.91	2.61E-02	4.05E-02
MTND1P11	-2.97	2.61E-02	4.05E-02
ICA1L	-0.57	2.61E-02	4.05E-02
AC000036.4	-3.30	2.61E-02	4.05E-02
RNU6-118P	-1.85	2.61E-02	4.05E-02
RP11-250B2.3	-1.28	2.61E-02	4.05E-02
AC016909.2	-3.33	2.61E-02	4.06E-02
RP11-492M23.2	-2.74	2.61E-02	4.06E-02
FCF1P2	0.37	2.61E-02	4.06E-02
NTAN1	0.53	2.61E-02	4.06E-02
DAP3	0.25	2.61E-02	4.06E-02
ARHGAP30	0.58	2.62E-02	4.06E-02

C5orf17	3.27	2.62E-02	4.06E-02
RP11-282O18.3	-0.58	2.62E-02	4.06E-02
DYM	-0.17	2.62E-02	4.06E-02
AP001172.3	-3.09	2.62E-02	4.06E-02
FIG4	-0.27	2.62E-02	4.06E-02
SP9	2.31	2.62E-02	4.07E-02
G19546	1.39	2.62E-02	4.07E-02
CRIP2	0.59	2.63E-02	4.07E-02
FAM204CP	-2.91	2.63E-02	4.07E-02
RP11-517P14.7	-1.96	2.63E-02	4.08E-02
VIPAS39	0.22	2.63E-02	4.08E-02
RP11-353N14.4	-2.90	2.63E-02	4.08E-02
RPS2P45	-1.60	2.63E-02	4.08E-02
CKS2	0.53	2.63E-02	4.08E-02
RP11-283G6.3	1.22	2.63E-02	4.08E-02
RNU6-519P	-2.90	2.64E-02	4.09E-02
RBBP9	-0.36	2.64E-02	4.09E-02
CTC-254B4.1	-2.44	2.64E-02	4.09E-02
C9orf3	0.38	2.64E-02	4.09E-02
LEP	3.51	2.64E-02	4.10E-02
PRRC1	-0.31	2.64E-02	4.10E-02
TUBAP2	-1.89	2.65E-02	4.10E-02
RP11-472N13.3	1.81	2.65E-02	4.10E-02
SLC16A13	0.61	2.65E-02	4.10E-02
RP1-97D16.1	-2.45	2.65E-02	4.10E-02
ZNF335	0.42	2.65E-02	4.10E-02
SNORD105	-3.50	2.65E-02	4.10E-02
RP11-287J9.1	-3.28	2.65E-02	4.11E-02
CTD-2560E9.3	-2.35	2.65E-02	4.11E-02
RP1-77H15.1	-1.88	2.65E-02	4.11E-02
RP11-286N22.14	-2.58	2.65E-02	4.11E-02
RP11-716H6.1	-3.40	2.66E-02	4.12E-02
C1orf204	-0.64	2.66E-02	4.12E-02
LIPE-AS1	1.01	2.66E-02	4.12E-02
XLOC_008224	-3.53	2.66E-02	4.12E-02
RP11-212E4.1	2.71	2.66E-02	4.12E-02
ZNF32-AS1	-1.39	2.66E-02	4.12E-02
INE1	-0.97	2.66E-02	4.12E-02
NEURL2	-1.14	2.66E-02	4.12E-02
FOXA1	1.92	2.66E-02	4.12E-02
TWISTNB	-0.33	2.66E-02	4.12E-02
KB-226F1.1	-2.73	2.66E-02	4.12E-02
SIPA1L3	-0.34	2.67E-02	4.13E-02
FOXN2	-0.39	2.67E-02	4.13E-02
RPL12P9	-3.03	2.67E-02	4.14E-02

PLAGL1	-0.43	2.68E-02	4.14E-02
PRSS21	1.28	2.68E-02	4.15E-02
LINC00311	2.17	2.68E-02	4.15E-02
RP11-87C12.2	-3.01	2.68E-02	4.15E-02
RP11-561N12.8	-3.80	2.68E-02	4.15E-02
NBEAP1	-1.69	2.68E-02	4.15E-02
G37023	2.73	2.68E-02	4.15E-02
RAB9B	-0.66	2.68E-02	4.16E-02
C9orf38	-1.15	2.69E-02	4.16E-02
IMPG2	-0.72	2.69E-02	4.16E-02
FAM86C2P	0.42	2.69E-02	4.16E-02
RPS6	0.34	2.69E-02	4.16E-02
POT1	-0.31	2.69E-02	4.17E-02
XRCC6BP1	-0.44	2.69E-02	4.17E-02
PRKG1	0.71	2.69E-02	4.17E-02
KTI12	0.39	2.70E-02	4.17E-02
NUDT2	0.53	2.70E-02	4.17E-02
RNY4P19	-2.62	2.70E-02	4.17E-02
RP11-540A21.2	-0.87	2.70E-02	4.18E-02
TAF1D	-0.34	2.70E-02	4.18E-02
PCDH18	1.04	2.70E-02	4.18E-02
CTD-3074O7.5	-0.60	2.70E-02	4.18E-02
PDCD2	-0.28	2.70E-02	4.18E-02
CCL23	1.65	2.70E-02	4.18E-02
RP11-166O4.6	-0.95	2.70E-02	4.18E-02
RP11-1123I8.1	-1.59	2.70E-02	4.18E-02
CCDC173	-0.91	2.70E-02	4.18E-02
FZD6	-0.34	2.71E-02	4.18E-02
TDRKH	0.52	2.71E-02	4.19E-02
RN7SL589P	2.07	2.71E-02	4.19E-02
SERPINB11	-2.97	2.71E-02	4.19E-02
SOST	4.72	2.71E-02	4.19E-02
SDC4P	-3.37	2.72E-02	4.20E-02
RP11-69M1.6	-1.11	2.72E-02	4.21E-02
RPL36AP48	-2.85	2.72E-02	4.21E-02
SRD5A1	-0.62	2.72E-02	4.21E-02
LINC01057	0.90	2.72E-02	4.21E-02
FAM222A	-0.54	2.72E-02	4.21E-02
USP24P1	-3.15	2.72E-02	4.21E-02
RN7SKP283	-2.93	2.72E-02	4.21E-02
POLR2J2	-1.13	2.72E-02	4.21E-02
ZNF849P	-2.66	2.73E-02	4.21E-02
RP11-38H17.1	3.31	2.73E-02	4.22E-02
CD163L1	0.96	2.73E-02	4.22E-02
RCBTB1	-0.35	2.73E-02	4.22E-02

RP11-242J7.1	-2.59	2.73E-02	4.22E-02
AC012314.19	-2.31	2.73E-02	4.22E-02
RNU6-249P	-3.17	2.73E-02	4.22E-02
ZNF74	0.35	2.73E-02	4.22E-02
LRP1	0.72	2.73E-02	4.22E-02
AC002366.3	-2.85	2.73E-02	4.22E-02
CTNNA3	-1.22	2.74E-02	4.23E-02
C3orf79	-2.17	2.74E-02	4.23E-02
LINC01158	-1.17	2.74E-02	4.23E-02
SNUPN	0.27	2.74E-02	4.23E-02
RP11-378E13.4	-3.44	2.74E-02	4.23E-02
FAM174A	0.42	2.74E-02	4.23E-02
RNF8	0.28	2.74E-02	4.24E-02
LINGO3	1.05	2.74E-02	4.24E-02
HNRNPLP2	0.98	2.75E-02	4.24E-02
RP11-486I11.2	-0.90	2.75E-02	4.24E-02
RP11-291L22.9	0.65	2.75E-02	4.24E-02
AOX2P	2.63	2.75E-02	4.24E-02
G32019	-1.94	2.75E-02	4.25E-02
OCIAD1-AS1	-1.48	2.75E-02	4.25E-02
TEP1	-0.35	2.75E-02	4.25E-02
RP11-195F19.5	-2.61	2.75E-02	4.25E-02
ACACA	-0.39	2.75E-02	4.25E-02
G19654	-2.06	2.75E-02	4.25E-02
RP11-19G24.1	-1.98	2.76E-02	4.25E-02
RP11-521B24.4	0.38	2.76E-02	4.26E-02
CACNA1G	-0.67	2.76E-02	4.26E-02
USP36	0.36	2.76E-02	4.26E-02
KB-1517D11.2	-3.17	2.76E-02	4.26E-02
MICU2	-0.37	2.77E-02	4.27E-02
TPT1P4	1.56	2.77E-02	4.27E-02
RNU6-1262P	-2.54	2.77E-02	4.27E-02
RP11-513G19.1	-1.31	2.77E-02	4.27E-02
MMEL1	1.33	2.77E-02	4.27E-02
TM7SF3	-0.32	2.77E-02	4.27E-02
ZFP42	2.69	2.77E-02	4.28E-02
CTD-2363C16.1	1.62	2.77E-02	4.28E-02
RP11-335O4.3	1.15	2.77E-02	4.28E-02
SBF1	0.32	2.78E-02	4.28E-02
RP11-817I4.2	1.40	2.78E-02	4.28E-02
GNG2	0.65	2.78E-02	4.28E-02
FLT3LG	1.81	2.78E-02	4.29E-02
KIAA1107	-0.56	2.78E-02	4.29E-02
RP11-326L17.1	-1.61	2.78E-02	4.29E-02
TRAJ26	-3.38	2.79E-02	4.30E-02

LL0XNC01-116E7.1	-3.36	2.79E-02	4.30E-02
NTN4	0.77	2.79E-02	4.30E-02
RP11-180M15.4	-2.59	2.79E-02	4.30E-02
MTND4P20	-2.09	2.79E-02	4.30E-02
CTD-3075F15.1	1.84	2.79E-02	4.31E-02
PHYHD1	-0.37	2.80E-02	4.31E-02
RP11-1038A11.1	-2.31	2.80E-02	4.31E-02
CASQ2	0.76	2.80E-02	4.31E-02
AC012363.13	2.60	2.80E-02	4.31E-02
XLOC_001065	1.59	2.80E-02	4.32E-02
CALM1	0.39	2.80E-02	4.32E-02
RP4-598P13.1	1.85	2.80E-02	4.32E-02
RNU6-1228P	-2.97	2.80E-02	4.32E-02
DBIL5P	-0.74	2.80E-02	4.32E-02
FOXD4L1	-1.92	2.80E-02	4.32E-02
CD101	-0.56	2.80E-02	4.32E-02
RP11-439K3.1	1.80	2.80E-02	4.32E-02
SCARB1	0.29	2.80E-02	4.32E-02
G30960	-1.24	2.81E-02	4.32E-02
G29896	-1.61	2.81E-02	4.32E-02
XLOC_011384	0.98	2.81E-02	4.33E-02
C9orf129	-2.85	2.81E-02	4.33E-02
RNU6-26P	-1.70	2.81E-02	4.33E-02
DOK4	-0.33	2.81E-02	4.33E-02
XLOC_008971	-2.53	2.81E-02	4.33E-02
G32319	1.87	2.81E-02	4.33E-02
SERPINB9P1	1.63	2.82E-02	4.34E-02
SEL1L2	-2.84	2.82E-02	4.34E-02
RPS23P6	1.49	2.82E-02	4.34E-02
HERC5	0.66	2.82E-02	4.34E-02
COQ7	0.25	2.82E-02	4.34E-02
RP11-295M18.6	2.07	2.82E-02	4.34E-02
RP11-43D4.3	-2.28	2.82E-02	4.34E-02
KIRREL-IT1	1.40	2.82E-02	4.35E-02
MROH7	-1.22	2.83E-02	4.36E-02
BUB3	-0.21	2.83E-02	4.36E-02
AL008721.1	-2.82	2.83E-02	4.36E-02
TAX1BP1	-0.30	2.84E-02	4.36E-02
PYCARD	0.43	2.84E-02	4.37E-02
RHOT1P3	-3.34	2.84E-02	4.37E-02
CDHR3	-0.68	2.84E-02	4.37E-02
RP11-33N14.3	-1.56	2.84E-02	4.37E-02
RALBP1	0.28	2.84E-02	4.37E-02
RP1-272L16.1	2.00	2.84E-02	4.38E-02
G119	-2.32	2.85E-02	4.38E-02

KIAA1191	0.22	2.85E-02	4.38E-02
XLOC_002300	2.66	2.85E-02	4.38E-02
RP11-359E10.1	1.00	2.85E-02	4.38E-02
G8972	-1.42	2.85E-02	4.38E-02
IGHV1-2	-3.28	2.85E-02	4.39E-02
GSDMB	-0.85	2.85E-02	4.39E-02
AL591668.1	-3.05	2.85E-02	4.39E-02
RP11-449P15.2	-0.96	2.86E-02	4.40E-02
GOLGA8N	-0.70	2.86E-02	4.40E-02
AC091878.1	1.59	2.86E-02	4.40E-02
SH3GL1P1	-0.73	2.86E-02	4.40E-02
RIPPLY3	1.67	2.86E-02	4.40E-02
AFM	-2.90	2.86E-02	4.40E-02
RNA5SP371	-2.87	2.86E-02	4.40E-02
HLA-DRB6	1.87	2.86E-02	4.40E-02
DHH	1.59	2.86E-02	4.40E-02
RP4-740C4.5	0.64	2.87E-02	4.41E-02
NTN1	-0.71	2.87E-02	4.41E-02
C9orf9	0.37	2.87E-02	4.41E-02
FIBCD1	2.19	2.87E-02	4.41E-02
ULK2	0.22	2.87E-02	4.41E-02
DKK4	2.13	2.87E-02	4.42E-02
RP4-609E1.2	-2.97	2.87E-02	4.42E-02
AL022345.7	-2.77	2.87E-02	4.42E-02
JAZF1	-0.37	2.88E-02	4.42E-02
XG	-0.62	2.88E-02	4.42E-02
AL133458.1	-1.20	2.88E-02	4.42E-02
PLGLB1	-1.14	2.88E-02	4.42E-02
HSPE1P22	-2.95	2.88E-02	4.42E-02
RP11-395P13.7	-3.21	2.88E-02	4.42E-02
RP11-438N5.2	-2.85	2.88E-02	4.43E-02
RBFOX3	-1.25	2.89E-02	4.44E-02
GSTT2B	1.97	2.89E-02	4.44E-02
XLOC_005347	-2.90	2.89E-02	4.45E-02
MAST4	-0.35	2.89E-02	4.45E-02
XLOC_007698	-2.24	2.90E-02	4.45E-02
AP001601.2	-3.10	2.90E-02	4.45E-02
SLC22A24	-2.96	2.90E-02	4.45E-02
OR13D3P	-2.86	2.90E-02	4.46E-02
C1QL3	-1.11	2.90E-02	4.46E-02
AL513547.1	-2.64	2.90E-02	4.46E-02
ZCWPW1	0.39	2.90E-02	4.46E-02
XLOC_001153	-1.54	2.91E-02	4.46E-02
FATE1	6.60	2.91E-02	4.47E-02
ZNF32-AS2	-0.99	2.91E-02	4.47E-02

ZBED3-AS1	-1.12	2.91E-02	4.47E-02
RP11-275N1.1	-3.06	2.91E-02	4.47E-02
RP11-707M3.3	-1.04	2.91E-02	4.47E-02
CASQ1	-1.31	2.92E-02	4.48E-02
BOLA2P2	-1.88	2.92E-02	4.48E-02
CTD-2201E9.4	-2.27	2.92E-02	4.48E-02
TIPIN	-0.40	2.92E-02	4.48E-02
IGHE	-4.64	2.92E-02	4.48E-02
P4HA1	0.59	2.92E-02	4.49E-02
SMLR1	-2.14	2.92E-02	4.49E-02
EEF1A1P12	-0.92	2.93E-02	4.50E-02
BUB1	-0.55	2.93E-02	4.50E-02
DNAJC21	-0.28	2.93E-02	4.50E-02
LINC00483	-2.65	2.93E-02	4.50E-02
MIR320B2	-2.08	2.94E-02	4.50E-02
RP11-452G18.2	-2.73	2.94E-02	4.51E-02
ID2	-0.47	2.94E-02	4.51E-02
GAPDHP38	-2.77	2.94E-02	4.51E-02
KRT25	-4.36	2.94E-02	4.51E-02
XLOC_014276	-2.14	2.94E-02	4.51E-02
AP001189.4	1.37	2.94E-02	4.51E-02
PPIL3	0.47	2.94E-02	4.51E-02
SAXO2	-1.08	2.94E-02	4.51E-02
TMEM100	0.87	2.94E-02	4.51E-02
PIGR	-2.34	2.95E-02	4.52E-02
KLHL13	0.73	2.95E-02	4.52E-02
RP11-153I24.4	-1.91	2.95E-02	4.52E-02
AC080125.1	-3.54	2.95E-02	4.52E-02
ECEL1	1.77	2.95E-02	4.52E-02
RP11-573D15.1	1.58	2.95E-02	4.52E-02
DEPDC7	0.46	2.95E-02	4.53E-02
RP11-435O5.5	-1.75	2.95E-02	4.53E-02
MYOZ2	-1.61	2.95E-02	4.53E-02
FAM186A	-1.65	2.95E-02	4.53E-02
RP11-347C12.10	0.67	2.96E-02	4.53E-02
LINC00242	1.14	2.96E-02	4.53E-02
SYNJ2	0.37	2.96E-02	4.53E-02
RP11-568J23.6	-2.53	2.96E-02	4.54E-02
RP11-775D22.2	1.55	2.96E-02	4.54E-02
RP11-235C23.5	-2.86	2.96E-02	4.54E-02
RP11-49O14.2	-1.29	2.96E-02	4.54E-02
LLNLR-307A6.1	-2.60	2.97E-02	4.55E-02
DTWD1	-0.25	2.97E-02	4.55E-02
FAR1	-0.28	2.97E-02	4.55E-02
SMTNL1	-1.15	2.97E-02	4.55E-02

FGFBP2	-1.03	2.98E-02	4.56E-02
XLOC_009602	1.72	2.98E-02	4.56E-02
TUBAL3	-1.13	2.98E-02	4.56E-02
LINC01266	-1.35	2.98E-02	4.56E-02
RP11-466A19.1	-1.24	2.98E-02	4.56E-02
AC006042.7	-1.57	2.98E-02	4.56E-02
CYP4F11	1.89	2.98E-02	4.57E-02
EIF1AX	-0.37	2.98E-02	4.57E-02
SLC9A4	1.15	2.98E-02	4.57E-02
ESPNP	-3.10	2.99E-02	4.57E-02
RP11-703I16.1	0.43	2.99E-02	4.58E-02
HMMR	-0.51	2.99E-02	4.58E-02
RP11-1018N14.5	1.63	2.99E-02	4.58E-02
RP11-20E24.1	-1.01	2.99E-02	4.58E-02
RP11-395L14.18	-0.57	2.99E-02	4.58E-02
RP11-181E10.3	2.00	3.00E-02	4.59E-02
RP11-315O8.1	-3.40	3.00E-02	4.59E-02
MPV17L	0.97	3.00E-02	4.59E-02
SH3D21	0.87	3.00E-02	4.59E-02
XLOC_004673	1.05	3.00E-02	4.60E-02
RP11-641C17.4	-2.74	3.00E-02	4.60E-02
IL12A-AS1	-2.64	3.00E-02	4.60E-02
RP11-266A24.1	-2.90	3.00E-02	4.60E-02
MTTP	1.24	3.00E-02	4.60E-02
RP5-902P8.12	-1.46	3.01E-02	4.60E-02
TSC22D1-AS1	1.03	3.01E-02	4.60E-02
FBN2	1.46	3.01E-02	4.61E-02
RP3-335E1.1	-2.77	3.01E-02	4.61E-02
ZNF320	0.33	3.01E-02	4.61E-02
RP11-1112J20.2	-1.58	3.01E-02	4.61E-02
AJ011932.1	2.20	3.01E-02	4.61E-02
RGS10	0.43	3.02E-02	4.62E-02
RP11-360O19.5	-2.33	3.02E-02	4.62E-02
LNX1	-0.49	3.02E-02	4.62E-02
RP11-316N24.2	-2.68	3.03E-02	4.63E-02
CCDC58	0.31	3.03E-02	4.64E-02
G2582	-0.91	3.03E-02	4.64E-02
RP11-660M5.1	-2.71	3.03E-02	4.64E-02
RNU6-28P	-3.03	3.04E-02	4.64E-02
CTA-992D9.11	-3.08	3.04E-02	4.64E-02
DENND3	0.52	3.04E-02	4.64E-02
KDELR3	0.69	3.04E-02	4.65E-02
G40005	-2.51	3.04E-02	4.65E-02
AD001527.7	1.91	3.04E-02	4.65E-02
RP11-8L8.2	2.67	3.04E-02	4.65E-02

RP11-12L8.1	-1.95	3.04E-02	4.65E-02
RNU7-169P	-3.10	3.04E-02	4.65E-02
RNU6-470P	-4.82	3.05E-02	4.66E-02
RP11-122G18.7	-1.95	3.05E-02	4.66E-02
TAS1R1	1.25	3.05E-02	4.66E-02
RP11-278A23.1	-1.07	3.05E-02	4.66E-02
FDFT1	0.44	3.05E-02	4.66E-02
PXDNL	0.82	3.05E-02	4.66E-02
CDKL3	-0.86	3.05E-02	4.66E-02
RNA5SP379	-3.05	3.05E-02	4.66E-02
SPDYE3	0.54	3.05E-02	4.67E-02
LA16c-380F5.1	-1.32	3.06E-02	4.67E-02
RP11-108K3.1	-2.53	3.06E-02	4.68E-02
ANKRD34A	0.98	3.06E-02	4.68E-02
RPAP1	0.30	3.07E-02	4.68E-02
RP11-577H5.1	-1.04	3.07E-02	4.68E-02
AAGAB	0.23	3.07E-02	4.68E-02
G26815	2.27	3.07E-02	4.69E-02
AL162151.3	-0.82	3.07E-02	4.70E-02
DIRC3-AS1	-1.51	3.08E-02	4.70E-02
RP13-225O21.2	-1.38	3.08E-02	4.70E-02
RP11-798M19.6	0.65	3.08E-02	4.70E-02
SLC16A1-AS1	0.65	3.08E-02	4.70E-02
RP11-484D2.4	-1.10	3.08E-02	4.71E-02
AC068134.10	-1.31	3.08E-02	4.71E-02
SYNC	0.50	3.09E-02	4.71E-02
CLPX	-0.28	3.09E-02	4.71E-02
SH3PXD2A-AS1	0.52	3.09E-02	4.71E-02
TNFSF11	-1.21	3.09E-02	4.72E-02
FBXW4P1	-0.82	3.09E-02	4.72E-02
SLC46A2	-0.60	3.09E-02	4.72E-02
BCO2	-0.71	3.10E-02	4.72E-02
POLH	-0.23	3.10E-02	4.73E-02
UBXN8	0.36	3.10E-02	4.73E-02
NOP14-AS1	0.31	3.10E-02	4.73E-02
IGBP1	0.30	3.11E-02	4.74E-02
MYL4	2.33	3.11E-02	4.74E-02
TNFRSF17	-2.03	3.11E-02	4.74E-02
MIR3681HG	1.98	3.11E-02	4.74E-02
FAAHP1	1.67	3.11E-02	4.74E-02
UGDH-AS1	-0.55	3.11E-02	4.75E-02
RP11-13J8.1	1.72	3.11E-02	4.75E-02
ANKRD30B	-3.04	3.11E-02	4.75E-02
RP11-648L3.1	-3.07	3.11E-02	4.75E-02
TESK2	0.31	3.11E-02	4.75E-02

RP11-649E7.8	-1.57	3.12E-02	4.75E-02
OGFRP1	-0.80	3.12E-02	4.75E-02
RP11-466A19.7	-1.67	3.12E-02	4.76E-02
CEP170B	0.41	3.12E-02	4.76E-02
SEPW1	0.31	3.12E-02	4.76E-02
SYNRG	-0.22	3.13E-02	4.77E-02
AC108456.1	-2.07	3.13E-02	4.77E-02
G10743	-2.84	3.13E-02	4.77E-02
PLCXD2-AS1	-2.74	3.13E-02	4.77E-02
PDGFRA	1.10	3.13E-02	4.77E-02
RP11-18B3.3	-2.78	3.13E-02	4.78E-02
RP11-231P20.5	-2.62	3.14E-02	4.78E-02
RP3-477O4.5	-2.66	3.14E-02	4.78E-02
RP11-554E23.4	-1.72	3.14E-02	4.78E-02
G2589	-1.46	3.14E-02	4.79E-02
YY1P1	-2.80	3.14E-02	4.79E-02
CYP2D8P	-1.06	3.14E-02	4.79E-02
RP11-263C24.1	-1.42	3.14E-02	4.79E-02
AC093642.3	-1.43	3.14E-02	4.79E-02
CTD-2020K17.4	1.30	3.15E-02	4.79E-02
PPP3CB	0.23	3.15E-02	4.80E-02
HIGD1AP18	-2.62	3.15E-02	4.80E-02
NT5DC1	-0.30	3.15E-02	4.80E-02
RPL39P6	-2.74	3.15E-02	4.80E-02
RP11-644C3.1	-2.25	3.15E-02	4.80E-02
MXD1	0.37	3.15E-02	4.80E-02
RP11-946L16.2	-2.64	3.15E-02	4.80E-02
G34192	1.10	3.15E-02	4.80E-02
PFDN4	0.39	3.16E-02	4.81E-02
ROR1-AS1	1.19	3.16E-02	4.81E-02
RP11-819M15.1	-2.33	3.16E-02	4.81E-02
RP1-265C24.8	-1.61	3.16E-02	4.82E-02
G10801	2.16	3.17E-02	4.82E-02
RP11-686G8.1	-2.46	3.17E-02	4.82E-02
NOS1AP	-0.72	3.17E-02	4.83E-02
MIR149	-1.41	3.17E-02	4.83E-02
AC000068.5	-0.90	3.17E-02	4.83E-02
RP11-384P7.7	-1.48	3.17E-02	4.83E-02
PTP4A2P1	2.02	3.18E-02	4.84E-02
RP11-156G14.6	-3.17	3.18E-02	4.84E-02
RP11-424I19.2	2.09	3.18E-02	4.84E-02
YWHAQP6	-1.49	3.18E-02	4.84E-02
PITRM1	0.23	3.18E-02	4.84E-02
G5265	-0.93	3.18E-02	4.84E-02
RP11-445N18.5	-1.88	3.18E-02	4.84E-02

FOXJ2	0.28	3.18E-02	4.84E-02
CTC-435M10.12	-2.09	3.19E-02	4.85E-02
RNU6-981P	-3.02	3.19E-02	4.86E-02
PTGDR2	-0.98	3.19E-02	4.86E-02
DNM1P47	-1.50	3.19E-02	4.86E-02
COL9A2	0.87	3.20E-02	4.87E-02
KRTAP5-7	-3.14	3.20E-02	4.87E-02
TRAJ17	-3.23	3.20E-02	4.87E-02
IBA57-AS1	-1.06	3.20E-02	4.87E-02
RP11-218C14.8	-0.96	3.20E-02	4.87E-02
RNASE6	0.97	3.20E-02	4.87E-02
HAS2-AS1	-1.06	3.20E-02	4.87E-02
THAP1	-0.36	3.20E-02	4.87E-02
TRAPPC4	0.32	3.21E-02	4.88E-02
SNORD11B	-2.12	3.21E-02	4.88E-02
ZNF317	-0.18	3.21E-02	4.88E-02
RP11-460N20.4	-1.36	3.21E-02	4.88E-02
MTHFSD	0.29	3.21E-02	4.88E-02
SPAG5-AS1	-1.15	3.21E-02	4.88E-02
TEX12	-1.61	3.21E-02	4.88E-02
ZNF502	-0.36	3.21E-02	4.89E-02
RP11-1084A12.2	-3.05	3.21E-02	4.89E-02
RP11-33I11.2	-1.69	3.22E-02	4.90E-02
RP11-477N3.1	-0.67	3.22E-02	4.90E-02
ASS1P12	-0.78	3.22E-02	4.90E-02
RNU6-228P	-3.22	3.23E-02	4.90E-02
RP11-190A12.8	-0.85	3.23E-02	4.90E-02
RP11-237N19.3	-3.08	3.23E-02	4.91E-02
CASS4	-0.73	3.23E-02	4.91E-02
TOB2P1	1.49	3.23E-02	4.91E-02
LRCH3	-0.23	3.23E-02	4.91E-02
PPP1R14D	-1.59	3.23E-02	4.91E-02
RP11-266O8.1	-2.66	3.24E-02	4.92E-02
CTD-3018O17.5	-1.07	3.24E-02	4.92E-02
MIR3685	-1.54	3.24E-02	4.92E-02
MMP23B	1.30	3.24E-02	4.92E-02
RP11-44F14.2	1.46	3.24E-02	4.92E-02
RP11-666A8.9	-2.01	3.24E-02	4.92E-02
KPNA7	-2.89	3.24E-02	4.92E-02
ST13	0.31	3.24E-02	4.92E-02
SNX31	1.71	3.24E-02	4.92E-02
AC092620.3	-2.10	3.24E-02	4.93E-02
RP11-458J1.1	0.47	3.25E-02	4.93E-02
RP11-757G1.5	-1.00	3.25E-02	4.94E-02
CTC-391G2.1	-2.93	3.25E-02	4.94E-02

RP11-12A20.7	-1.58	3.25E-02	4.94E-02
RP11-440I14.3	-1.91	3.25E-02	4.94E-02
RP11-524O1.4	-2.73	3.26E-02	4.95E-02
RP11-139H15.5	-1.60	3.26E-02	4.95E-02
ORMDL2	0.37	3.26E-02	4.95E-02
ZNF217	-0.20	3.26E-02	4.95E-02
LINC00867	2.99	3.26E-02	4.95E-02
WDR77	-0.30	3.26E-02	4.95E-02
TMEM30A	-0.35	3.26E-02	4.95E-02
RPS6KC1	-0.28	3.27E-02	4.96E-02
AC092902.1	-2.89	3.27E-02	4.96E-02
LINC01252	1.02	3.27E-02	4.96E-02
HMGN1P12	-1.76	3.27E-02	4.96E-02
RP11-490D19.8	-2.00	3.27E-02	4.97E-02
CTD-2231H16.1	1.92	3.27E-02	4.97E-02
HOXB-AS1	1.80	3.27E-02	4.97E-02
ARL1	-0.32	3.27E-02	4.97E-02
XLOC_014066	2.08	3.28E-02	4.98E-02
UBTD2	0.33	3.28E-02	4.98E-02
AC010967.3	-3.26	3.28E-02	4.98E-02
TGFBI	0.69	3.28E-02	4.98E-02
TRGV2	-2.71	3.28E-02	4.98E-02
RP11-659P15.1	-2.59	3.28E-02	4.98E-02
RP11-120D5.1	-0.86	3.29E-02	4.99E-02
LRRN4CL	-0.66	3.29E-02	4.99E-02
CDKN3	0.64	3.29E-02	4.99E-02
GTPBP4	0.32	3.29E-02	4.99E-02
RP11-390M11.1	-3.18	3.29E-02	4.99E-02
ELMOD3	-0.46	3.30E-02	5.00E-02
SORD2P	-1.13	3.30E-02	5.00E-02
RP11-482G13.1	-1.56	3.30E-02	5.00E-02
ZNF736P9Y	-1.20	3.30E-02	5.01E-02
MCM4	-0.31	3.30E-02	5.01E-02
THPO	1.22	3.31E-02	5.01E-02
TIMM8AP1	1.72	3.31E-02	5.02E-02
NOA1	0.22	3.31E-02	5.02E-02
LLNLR-470E3.1	2.69	3.31E-02	5.02E-02
OSMR-AS1	0.66	3.31E-02	5.02E-02
MIR4731	-2.71	3.31E-02	5.02E-02
ACOX3	0.33	3.32E-02	5.03E-02
YBX1P4	-1.82	3.32E-02	5.03E-02
RP1-266L20.9	-0.84	3.32E-02	5.03E-02
RP11-1020A11.2	-0.44	3.32E-02	5.03E-02
FAM96A	0.35	3.32E-02	5.04E-02
RNU6-404P	-2.55	3.33E-02	5.04E-02

RP1-257C22.2	-0.78	3.33E-02	5.04E-02
RP13-13A3.1	-3.34	3.33E-02	5.04E-02
CYP21A2	1.57	3.33E-02	5.04E-02
RP11-1396O13.2	-2.28	3.33E-02	5.05E-02
STX18-AS1	-0.59	3.33E-02	5.05E-02
RP5-1042K10.13	-1.67	3.34E-02	5.05E-02
NOXRED1	-0.60	3.34E-02	5.06E-02
PCMTD2	-0.30	3.34E-02	5.06E-02
EGR2	-0.58	3.34E-02	5.06E-02
RP11-12D24.6	-1.65	3.34E-02	5.06E-02
RP11-680F20.10	-1.97	3.34E-02	5.06E-02
CTD-2290C23.1	-3.06	3.34E-02	5.06E-02
RNU6-911P	-2.62	3.34E-02	5.06E-02
RP11-310I24.1	-2.98	3.34E-02	5.07E-02
GALNT4	0.85	3.35E-02	5.07E-02
AC073130.3	-1.35	3.35E-02	5.07E-02
C11orf16	-1.41	3.35E-02	5.08E-02
MOCOS	-0.47	3.36E-02	5.08E-02
PCDHGC5	-0.96	3.36E-02	5.08E-02
KIF9	-0.33	3.36E-02	5.08E-02
CIRBP-AS1	-0.87	3.36E-02	5.08E-02
PACRG	-0.69	3.36E-02	5.08E-02
EIF2B5-IT1	-2.32	3.36E-02	5.08E-02
AIRE	-0.97	3.36E-02	5.08E-02
TMEM92-AS1	2.46	3.36E-02	5.09E-02
MIR205HG	0.57	3.37E-02	5.10E-02
DLG3-AS1	-1.97	3.37E-02	5.10E-02
PIH1D2	-0.59	3.37E-02	5.10E-02
PCDH10	-1.20	3.38E-02	5.11E-02
G10989	-2.81	3.38E-02	5.11E-02
RP11-119K6.6	-1.97	3.38E-02	5.11E-02
RN7SL767P	-1.69	3.38E-02	5.11E-02
CERS3-AS1	-0.52	3.38E-02	5.11E-02
RP11-463O9.1	-1.94	3.38E-02	5.12E-02
MAFIP	1.58	3.38E-02	5.12E-02
RP11-196G18.3	1.31	3.38E-02	5.12E-02
RP5-1136A10.1	-3.00	3.38E-02	5.12E-02
ALDH1L2	0.64	3.39E-02	5.12E-02
CBLN4	-2.63	3.39E-02	5.12E-02
DYNLRB2	-0.64	3.39E-02	5.12E-02
G13084	-1.15	3.39E-02	5.13E-02
AC135050.5	-2.03	3.39E-02	5.13E-02
AEN	0.59	3.39E-02	5.13E-02
RP11-541P9.3	-2.53	3.39E-02	5.13E-02
ITIH1	2.32	3.40E-02	5.14E-02

RP11-705O24.2	-3.23	3.40E-02	5.14E-02
RAB11A	-0.34	3.40E-02	5.14E-02
HSPB3	1.00	3.41E-02	5.15E-02
RP11-449J21.3	-1.06	3.41E-02	5.15E-02
GNGT2	1.08	3.41E-02	5.15E-02
ABCC3	-0.60	3.41E-02	5.15E-02
FLJ21408	-1.23	3.41E-02	5.15E-02
SHH	-2.21	3.41E-02	5.15E-02
HTR2B	-0.98	3.41E-02	5.15E-02
LA16c-329F2.2	-1.62	3.41E-02	5.16E-02
ZEB1-AS1	0.60	3.42E-02	5.16E-02
DEGS2	0.44	3.42E-02	5.16E-02
ARL17B	-1.10	3.42E-02	5.16E-02
RP11-90P16.1	-3.03	3.42E-02	5.17E-02
XLOC_010436	-3.51	3.42E-02	5.17E-02
NKILA	1.29	3.43E-02	5.18E-02
CDHR4	-1.18	3.43E-02	5.18E-02
NUDT17	0.56	3.43E-02	5.19E-02
ACAP1	0.56	3.44E-02	5.19E-02
AC009495.2	-1.47	3.44E-02	5.19E-02
ARHGAP23P1	2.18	3.44E-02	5.19E-02
GPR135	-0.89	3.44E-02	5.19E-02
AC005785.2	-1.09	3.44E-02	5.19E-02
XLOC_001804	-1.65	3.44E-02	5.19E-02
NKAIN2	-1.15	3.44E-02	5.20E-02
MIR2355	-3.08	3.45E-02	5.20E-02
SCAMP1	-0.34	3.45E-02	5.20E-02
PIFO	-0.65	3.45E-02	5.20E-02
MIR4639	-2.97	3.45E-02	5.21E-02
RN7SL867P	-1.54	3.45E-02	5.21E-02
MPC2	-0.45	3.45E-02	5.21E-02
TRAJ37	-3.01	3.45E-02	5.21E-02
RP11-114H23.2	-2.85	3.45E-02	5.21E-02
TRAF3IP2-AS1	-0.56	3.46E-02	5.22E-02
GNB3	1.29	3.46E-02	5.22E-02
IGFN1	2.06	3.46E-02	5.22E-02
RNU2-37P	-2.94	3.46E-02	5.22E-02
RP5-855D21.3	-0.97	3.46E-02	5.22E-02
CHIT1	-1.45	3.46E-02	5.23E-02
RP11-451O13.1	-3.72	3.46E-02	5.23E-02
RP3-340B19.3	-2.50	3.46E-02	5.23E-02
TTC28	0.55	3.47E-02	5.23E-02
SHANK2	1.22	3.47E-02	5.23E-02
AC097461.4	-1.89	3.47E-02	5.23E-02
RP11-568J23.8	-2.08	3.47E-02	5.24E-02

RP5-994D16.3	-0.92	3.47E-02	5.24E-02
RP11-34F20.7	-1.41	3.47E-02	5.24E-02
G1730	1.34	3.48E-02	5.25E-02
RN7SL306P	-2.63	3.48E-02	5.25E-02
UPK1B	0.92	3.48E-02	5.25E-02
AC026188.1	-2.02	3.48E-02	5.25E-02
EXOC3L4	-1.00	3.48E-02	5.25E-02
SPATA6L	-0.74	3.48E-02	5.26E-02
RN7SL569P	-2.68	3.48E-02	5.26E-02
TREML1	1.42	3.49E-02	5.26E-02
RP11-1379J22.5	1.22	3.49E-02	5.26E-02
FBXO9	0.27	3.49E-02	5.26E-02
ITIH5	0.75	3.49E-02	5.26E-02
B3GAT1	0.71	3.49E-02	5.27E-02
CTD-3010D24.3	-2.08	3.50E-02	5.27E-02
MAML1	0.28	3.50E-02	5.27E-02
RNU2-27P	-0.80	3.50E-02	5.28E-02
KB-1507C5.3	-1.30	3.50E-02	5.28E-02
MINOS1P2	-2.79	3.50E-02	5.28E-02
RN7SL233P	2.01	3.51E-02	5.29E-02
ILDR1	-0.75	3.51E-02	5.29E-02
ADGRG7	-2.98	3.51E-02	5.29E-02
PDIA3P1	-0.40	3.51E-02	5.29E-02
SLITRK2	-0.62	3.51E-02	5.30E-02
RP11-580I16.2	-1.25	3.52E-02	5.30E-02
PGM5-AS1	1.44	3.52E-02	5.30E-02
SLC26A10	1.95	3.52E-02	5.30E-02
VWA5A	0.27	3.52E-02	5.30E-02
RP11-90C4.1	-1.08	3.52E-02	5.31E-02
ACTR3	-0.34	3.52E-02	5.31E-02
C1orf198	0.28	3.52E-02	5.31E-02
SRRM2-AS1	-0.71	3.52E-02	5.31E-02
LINC00693	1.43	3.52E-02	5.31E-02
RP11-545A16.1	-3.24	3.53E-02	5.32E-02
RNU6-1112P	-2.94	3.53E-02	5.32E-02
RP11-175B9.3	-0.66	3.53E-02	5.32E-02
SLC18A3	10.62	3.53E-02	5.32E-02
HMGA1P2	-1.46	3.53E-02	5.32E-02
WRB	0.29	3.53E-02	5.32E-02
RNU6-196P	-2.74	3.53E-02	5.32E-02
RP11-1055B8.3	-0.83	3.53E-02	5.32E-02
ARFIP1	-0.34	3.53E-02	5.32E-02
ABHD15	0.30	3.54E-02	5.33E-02
RP11-180M15.6	-1.21	3.54E-02	5.33E-02
HORMAD2-AS1	-1.95	3.54E-02	5.33E-02

RPS17P13	-3.11	3.54E-02	5.33E-02
RN7SKP285	-3.05	3.54E-02	5.33E-02
MBD2	0.25	3.54E-02	5.33E-02
SFTPA1	1.74	3.54E-02	5.33E-02
PARP14	-0.45	3.54E-02	5.33E-02
AC007750.5	2.05	3.55E-02	5.34E-02
CCNJ	-0.28	3.55E-02	5.34E-02
RP11-73B2.6	-1.00	3.55E-02	5.34E-02
TLL1	-0.69	3.55E-02	5.34E-02
ARMCX4	-0.39	3.55E-02	5.35E-02
PLA2G4C	0.72	3.55E-02	5.35E-02
PLPP5	0.28	3.55E-02	5.35E-02
GCN1	-0.20	3.56E-02	5.35E-02
ZNF773	-0.29	3.56E-02	5.35E-02
SERPINB12	-0.56	3.56E-02	5.35E-02
CTD-3032H12.2	-0.90	3.56E-02	5.36E-02
PRPH	1.45	3.56E-02	5.36E-02
MAPK14	0.25	3.56E-02	5.36E-02
CTB-193M12.5	0.37	3.57E-02	5.37E-02
CTA-14H9.5	-0.60	3.57E-02	5.37E-02
RP11-815I9.4	0.41	3.57E-02	5.38E-02
ANKRD10-IT1	-0.57	3.57E-02	5.38E-02
RP11-589P10.5	0.64	3.57E-02	5.38E-02
RP11-404O13.4	-3.01	3.57E-02	5.38E-02
TBCAP2	-3.29	3.57E-02	5.38E-02
AC002044.3	-1.45	3.58E-02	5.38E-02
SNORD38	-1.28	3.58E-02	5.38E-02
RP11-758N13.1	2.03	3.58E-02	5.38E-02
CES3	0.70	3.58E-02	5.38E-02
RN7SKP26	-2.82	3.58E-02	5.39E-02
KLHL25	0.32	3.58E-02	5.39E-02
ANO9	-0.65	3.58E-02	5.39E-02
B3GNT3	1.13	3.59E-02	5.39E-02
ATP12A	1.52	3.59E-02	5.39E-02
HAUS6P3	-2.91	3.59E-02	5.39E-02
MLEC	-0.27	3.59E-02	5.40E-02
PADI2	1.42	3.59E-02	5.40E-02
S100G	-2.60	3.59E-02	5.40E-02
MIR599	-3.12	3.59E-02	5.40E-02
XLOC_009944	2.05	3.60E-02	5.41E-02
BTN2A3P	0.49	3.60E-02	5.41E-02
RP11-326C3.2	1.78	3.61E-02	5.42E-02
LINC01494	-2.74	3.61E-02	5.42E-02
PAIP1	0.29	3.61E-02	5.42E-02
HAR1A	1.57	3.61E-02	5.42E-02

SLC26A7	-1.42	3.61E-02	5.43E-02
ZFAND6	0.33	3.61E-02	5.43E-02
RP11-31H5.3	-0.77	3.62E-02	5.43E-02
CTNNBIP1	0.39	3.62E-02	5.43E-02
RPS3AP32	-2.94	3.62E-02	5.43E-02
RRP12	0.41	3.62E-02	5.43E-02
NDUFA7	-0.86	3.62E-02	5.43E-02
AC000078.5	-1.55	3.62E-02	5.44E-02
ATP4A	-1.51	3.62E-02	5.44E-02
RP11-91P24.7	-1.35	3.62E-02	5.44E-02
PHTF2	-0.25	3.62E-02	5.44E-02
HTR3A	1.38	3.62E-02	5.44E-02
ZNF300P1	-0.77	3.62E-02	5.44E-02
RP11-117L5.1	-1.30	3.62E-02	5.44E-02
RNA5SP155	-2.80	3.63E-02	5.45E-02
FFAR2	0.58	3.63E-02	5.45E-02
KLHDC2	0.21	3.63E-02	5.45E-02
AC006378.2	-0.74	3.63E-02	5.45E-02
RP11-77M5.1	-2.53	3.63E-02	5.45E-02
ERI2	-0.33	3.63E-02	5.46E-02
FSTL5	2.76	3.63E-02	5.46E-02
DUOX1	0.46	3.64E-02	5.46E-02
TPO	1.21	3.64E-02	5.46E-02
KLRB1	0.89	3.64E-02	5.46E-02
RNU6-1283P	-2.91	3.64E-02	5.47E-02
FASN	-1.05	3.65E-02	5.47E-02
RN7SL302P	-3.28	3.65E-02	5.47E-02
RP11-333O1.1	1.55	3.65E-02	5.47E-02
GSKIP	-0.39	3.65E-02	5.47E-02
EIF4EBP3	-1.24	3.65E-02	5.48E-02
AC104451.2	-2.37	3.65E-02	5.48E-02
XLOC_010952	-2.17	3.65E-02	5.48E-02
LGR6	0.47	3.66E-02	5.49E-02
XLOC_007971	-2.44	3.66E-02	5.49E-02
RP11-385D13.3	0.87	3.66E-02	5.49E-02
LA16c-380A1.1	1.41	3.66E-02	5.50E-02
RNU4-49P	-2.87	3.67E-02	5.50E-02
RP11-356J5.12	0.76	3.67E-02	5.50E-02
RP11-344N10.2	-2.49	3.67E-02	5.51E-02
C2orf40	0.97	3.67E-02	5.51E-02
RNU6-724P	-3.05	3.67E-02	5.51E-02
RP3-395M20.3	-1.21	3.67E-02	5.51E-02
LINC00702	0.65	3.67E-02	5.51E-02
SLC4A4	-0.82	3.68E-02	5.52E-02
KAT2A	0.50	3.68E-02	5.52E-02

RP11-57B24.2	-2.75	3.68E-02	5.52E-02
CTC-453G23.5	-1.49	3.68E-02	5.52E-02
AKAP10	-0.14	3.68E-02	5.52E-02
RP11-70L8.5	-1.07	3.68E-02	5.52E-02
RP11-404G16.2	-2.69	3.68E-02	5.52E-02
AC004156.3	1.30	3.68E-02	5.52E-02
AC063980.3	3.91	3.68E-02	5.52E-02
RFX3-AS1	-0.83	3.69E-02	5.53E-02
RP11-632C17__A.1	-0.66	3.69E-02	5.54E-02
EIF1AXP2	-2.75	3.70E-02	5.54E-02
RP11-30O15.1	-3.49	3.70E-02	5.55E-02
KRTAP26-1	-5.29	3.70E-02	5.55E-02
GAPDHP70	-2.96	3.70E-02	5.55E-02
CTC-241N9.1	0.56	3.71E-02	5.55E-02
RP1-95L4.2	-2.22	3.71E-02	5.56E-02
RP11-399E6.4	-1.80	3.71E-02	5.56E-02
MANSC4	-1.82	3.71E-02	5.56E-02
MTCO1P28	-2.09	3.71E-02	5.56E-02
SND1-IT1	-1.20	3.71E-02	5.56E-02
XLOC_004054	2.66	3.71E-02	5.56E-02
MIR30A	-2.93	3.72E-02	5.57E-02
RP3-508I15.22	-1.62	3.72E-02	5.57E-02
ANKRD36B	-0.79	3.72E-02	5.57E-02
HOXA10-AS	1.89	3.72E-02	5.57E-02
HSF5	-2.09	3.73E-02	5.58E-02
RP11-485M7.1	-1.33	3.73E-02	5.59E-02
RP11-662M24.1	-2.91	3.73E-02	5.59E-02
HSP90AA5P	-3.08	3.73E-02	5.59E-02
RPS24P8	-1.67	3.73E-02	5.59E-02
KIAA1324	1.44	3.74E-02	5.60E-02
RP11-104L21.3	-1.05	3.74E-02	5.60E-02
SLC39A14	0.58	3.74E-02	5.60E-02
RP1-69D17.4	-1.38	3.74E-02	5.60E-02
RNU1-60P	-1.35	3.74E-02	5.60E-02
PPM1J	-0.61	3.75E-02	5.61E-02
TM9SF1	0.39	3.75E-02	5.62E-02
CTD-2001J20.1	-2.77	3.75E-02	5.62E-02
CTC-366B18.4	-0.55	3.76E-02	5.62E-02
OR2H2	-2.78	3.76E-02	5.62E-02
IL1RL2	-0.40	3.76E-02	5.62E-02
CNNM2	-0.28	3.76E-02	5.63E-02
XPOT	-0.28	3.76E-02	5.63E-02
RABGEF1	0.36	3.76E-02	5.63E-02
AC004012.1	-2.64	3.76E-02	5.63E-02
POU4F1	1.48	3.76E-02	5.63E-02

UCN	1.43	3.76E-02	5.63E-02
CTD-2525I3.5	-1.07	3.76E-02	5.63E-02
ALG1L	1.04	3.76E-02	5.63E-02
G5482	1.59	3.77E-02	5.63E-02
GPRC5A	0.96	3.78E-02	5.65E-02
TMEM220-AS1	0.76	3.78E-02	5.65E-02
RP11-146G7.2	-2.80	3.78E-02	5.65E-02
RP11-789C17.3	-2.68	3.78E-02	5.66E-02
CTSS	0.74	3.78E-02	5.66E-02
G23688	-2.79	3.79E-02	5.66E-02
RP4-604A21.1	-3.11	3.79E-02	5.67E-02
RP11-562A8.1	-1.19	3.79E-02	5.67E-02
RP3-461P17.10	-2.09	3.79E-02	5.67E-02
LRIG1	-0.33	3.79E-02	5.67E-02
AC006195.2	-2.22	3.80E-02	5.68E-02
AC143336.1	-3.01	3.80E-02	5.68E-02
NOP16	0.34	3.80E-02	5.68E-02
TFB1M	-0.28	3.80E-02	5.68E-02
AC138744.2	1.65	3.80E-02	5.69E-02
RPL31	0.34	3.81E-02	5.69E-02
RP11-243M5.5	-3.12	3.81E-02	5.69E-02
AC011524.1	-1.18	3.81E-02	5.69E-02
RP11-887P2.6	-1.60	3.81E-02	5.69E-02
TUBBP9	-3.07	3.81E-02	5.69E-02
UBR7	-0.24	3.81E-02	5.69E-02
LINC00898	1.09	3.81E-02	5.70E-02
MFI2-AS1	1.18	3.81E-02	5.70E-02
SERBP1	0.34	3.82E-02	5.70E-02
LHFPL3-AS2	-2.82	3.82E-02	5.70E-02
KCTD4	-0.97	3.82E-02	5.70E-02
RP11-114G22.1	-1.98	3.82E-02	5.70E-02
BTBD19	0.83	3.82E-02	5.71E-02
RP11-570G20.1	-2.58	3.82E-02	5.71E-02
RP11-173M1.5	-2.86	3.82E-02	5.71E-02
H19	1.30	3.83E-02	5.71E-02
RP11-192P3.4	1.71	3.83E-02	5.72E-02
RP11-175P13.3	-1.09	3.83E-02	5.72E-02
RP11-292F9.1	-3.03	3.83E-02	5.72E-02
SRSF5	0.53	3.83E-02	5.72E-02
CREBL2	-0.31	3.83E-02	5.72E-02
PNMA5	-2.16	3.83E-02	5.73E-02
RPTOR	-0.30	3.84E-02	5.73E-02
UXT-AS1	-1.71	3.84E-02	5.73E-02
RP11-274A11.5	-1.90	3.84E-02	5.73E-02
CECR9	1.71	3.84E-02	5.73E-02

CHAMP1	0.31	3.84E-02	5.73E-02
AC006548.28	-1.77	3.84E-02	5.74E-02
AC124944.5	-2.68	3.85E-02	5.74E-02
RP11-319G9.3	-1.05	3.85E-02	5.75E-02
XLOC_002561	0.80	3.85E-02	5.75E-02
AC019118.4	-2.41	3.85E-02	5.75E-02
RP11-114N19.3	-1.14	3.85E-02	5.75E-02
LLNLR-245B6.1	-0.51	3.85E-02	5.75E-02
ADAM9	0.34	3.85E-02	5.75E-02
SCGB2A1	1.97	3.86E-02	5.76E-02
RP11-15F12.1	-1.05	3.87E-02	5.77E-02
SFXN1	0.22	3.87E-02	5.77E-02
HOXD11	1.32	3.87E-02	5.77E-02
ZNF192P1	-1.04	3.87E-02	5.77E-02
BSPRY	0.44	3.87E-02	5.77E-02
XLOC_002897	-2.53	3.87E-02	5.77E-02
G18534	-0.78	3.87E-02	5.78E-02
ICA1	0.51	3.88E-02	5.78E-02
RP11-346J10.2	-1.81	3.88E-02	5.78E-02
MTDH	-0.25	3.88E-02	5.79E-02
FAM66A	-1.17	3.88E-02	5.79E-02
KRTAP4-3	-5.49	3.88E-02	5.79E-02
LGALS2	-0.65	3.88E-02	5.79E-02
CTD-2561J22.5	-1.11	3.88E-02	5.79E-02
CCDC166	-3.20	3.89E-02	5.79E-02
YWHAG	0.25	3.89E-02	5.80E-02
NDUFB3	0.36	3.89E-02	5.80E-02
RN7SL529P	-1.36	3.89E-02	5.81E-02
ADARB1	0.39	3.90E-02	5.81E-02
CTD-2515H24.1	-2.87	3.90E-02	5.82E-02
IL1RAP	-0.32	3.90E-02	5.82E-02
NMNAT1P1	-2.90	3.91E-02	5.82E-02
ADCY9	0.32	3.91E-02	5.83E-02
DRP2	-1.14	3.91E-02	5.83E-02
NOX1	-0.60	3.91E-02	5.83E-02
G8228	-1.60	3.91E-02	5.83E-02
ENGASE	0.62	3.91E-02	5.83E-02
AP000240.9	-0.73	3.91E-02	5.83E-02
TSSC1-IT1	-1.76	3.91E-02	5.83E-02
NSF	-0.23	3.92E-02	5.84E-02
RNU6-647P	-3.19	3.92E-02	5.84E-02
NOX5	0.75	3.92E-02	5.84E-02
CTD-2319I12.2	1.11	3.92E-02	5.85E-02
G35308	-2.54	3.92E-02	5.85E-02
UFSP1	0.56	3.92E-02	5.85E-02

RP11-564D11.3	-1.05	3.93E-02	5.85E-02
G8321	-1.92	3.93E-02	5.85E-02
TMEM87B	-0.23	3.93E-02	5.85E-02
CSF1R	0.73	3.93E-02	5.85E-02
RP11-165D7.5	0.93	3.93E-02	5.85E-02
RP11-764D10.2	-1.10	3.93E-02	5.86E-02
RPL35AP32	-2.22	3.93E-02	5.86E-02
RP11-894P9.1	-0.77	3.93E-02	5.86E-02
AC004967.7	0.50	3.94E-02	5.86E-02
LINC01293	-2.34	3.94E-02	5.86E-02
NWD1	1.40	3.94E-02	5.86E-02
RP11-65M17.3	-2.82	3.94E-02	5.86E-02
PACRG-AS1	-2.64	3.94E-02	5.87E-02
RNU6-51P	2.11	3.94E-02	5.87E-02
RP5-937E21.8	-1.74	3.94E-02	5.87E-02
RP11-1415C14.4	-2.89	3.94E-02	5.87E-02
RP13-392I16.1	-3.98	3.95E-02	5.87E-02
HRH4	-1.62	3.95E-02	5.88E-02
TRPV4	0.39	3.95E-02	5.88E-02
RAD17P2	-1.55	3.95E-02	5.88E-02
ETF1	-0.27	3.95E-02	5.88E-02
APC2	0.64	3.95E-02	5.88E-02
RP11-20I23.13	-2.04	3.96E-02	5.89E-02
IL20RB	-0.45	3.96E-02	5.89E-02
AC003002.6	-1.82	3.97E-02	5.91E-02
RP11-650L12.1	-1.15	3.97E-02	5.91E-02
RAP1B	0.25	3.97E-02	5.91E-02
PHACTR1	-0.38	3.98E-02	5.92E-02
RP11-215C7.3	-2.78	3.98E-02	5.92E-02
MIR5188	-2.07	3.98E-02	5.92E-02
CTD-2553L13.10	0.56	3.98E-02	5.92E-02
CDC5L	-0.26	3.98E-02	5.92E-02
CBLB	0.46	3.99E-02	5.93E-02
LEPROTL1	0.28	3.99E-02	5.93E-02
RP11-178C3.2	-2.60	3.99E-02	5.93E-02
RBM15B	0.23	3.99E-02	5.94E-02
CITF22-49E9.3	1.30	3.99E-02	5.94E-02
RPS7P3	-2.08	3.99E-02	5.94E-02
LYPLA1P3	-2.02	3.99E-02	5.94E-02
RP11-544M22.3	-2.05	4.00E-02	5.94E-02
MKI67P1	-3.45	4.00E-02	5.94E-02
CENPP	-0.35	4.00E-02	5.94E-02
PRDM15	-0.29	4.00E-02	5.95E-02
AC106753.1	2.15	4.00E-02	5.95E-02
SIGLEC1	1.02	4.01E-02	5.96E-02

RP4-791C19.1	-2.61	4.01E-02	5.96E-02
DSCAM	-3.07	4.01E-02	5.96E-02
XLOC_002674	1.80	4.01E-02	5.96E-02
KLHL14	1.18	4.01E-02	5.97E-02
TMEM198B	0.43	4.02E-02	5.97E-02
HMGB1P10	0.71	4.02E-02	5.97E-02
HLTF	-0.31	4.02E-02	5.97E-02
CTB-1144G6.6	-1.25	4.03E-02	5.99E-02
AL353791.1	-1.12	4.03E-02	5.99E-02
AC074212.5	1.64	4.03E-02	6.00E-02
PHOX2A	-2.79	4.04E-02	6.00E-02
FUT7	1.22	4.04E-02	6.00E-02
AURKC	0.85	4.04E-02	6.00E-02
AC016910.1	-1.60	4.04E-02	6.00E-02
RP4-604K5.3	-1.09	4.04E-02	6.01E-02
RP11-1134I14.4	1.65	4.05E-02	6.01E-02
EEF1B2	0.34	4.05E-02	6.01E-02
PPIL2	0.28	4.05E-02	6.01E-02
RP11-498D10.3	-2.05	4.05E-02	6.02E-02
CCNB1	0.46	4.05E-02	6.02E-02
RP11-716H6.2	-2.87	4.05E-02	6.02E-02
CTD-3224K15.3	-2.44	4.05E-02	6.02E-02
RP11-167N4.4	-2.37	4.06E-02	6.03E-02
CYP51A1P3	-0.95	4.06E-02	6.03E-02
RP11-452H21.1	-2.47	4.06E-02	6.03E-02
RP11-304L19.1	-1.44	4.07E-02	6.04E-02
AC008991.1	-2.10	4.07E-02	6.04E-02
H2AFV	-0.23	4.07E-02	6.04E-02
ATP8B2	0.64	4.07E-02	6.05E-02
DNER	1.49	4.07E-02	6.05E-02
RP13-349O20.2	1.72	4.07E-02	6.05E-02
SNORD104	-1.49	4.07E-02	6.05E-02
ABCC5	0.48	4.08E-02	6.05E-02
ELL3	-0.74	4.08E-02	6.05E-02
OFD1	-0.23	4.08E-02	6.05E-02
RP11-264B14.1	-2.71	4.08E-02	6.05E-02
RP11-867G23.10	2.31	4.08E-02	6.05E-02
RP3-449M8.6	-1.50	4.08E-02	6.05E-02
GLYATL2	1.73	4.08E-02	6.06E-02
TECRP1	-0.70	4.08E-02	6.06E-02
RP11-173A6.2	-1.41	4.09E-02	6.06E-02
PACERR	-2.15	4.09E-02	6.06E-02
LINC01030	-2.92	4.09E-02	6.06E-02
ARRDC5	1.89	4.09E-02	6.06E-02
RP3-521E19.2	-2.40	4.09E-02	6.07E-02

UFM1	-0.28	4.09E-02	6.07E-02
SYNDIG1L	1.62	4.09E-02	6.07E-02
RP11-402L5.2	-2.80	4.10E-02	6.08E-02
ECI2	-0.38	4.10E-02	6.08E-02
LRRC14B	-2.78	4.10E-02	6.08E-02
G38775	0.80	4.10E-02	6.08E-02
RP11-404P21.9	-1.18	4.10E-02	6.08E-02
RP11-120C12.3	2.14	4.10E-02	6.09E-02
RP3-395M20.12	0.61	4.10E-02	6.09E-02
RP11-299L17.1	-3.06	4.11E-02	6.09E-02
NAV2-AS3	-2.46	4.11E-02	6.09E-02
RP11-85A1.3	1.00	4.11E-02	6.09E-02
AC078899.1	-1.90	4.11E-02	6.09E-02
RP11-621K7.1	-2.89	4.11E-02	6.09E-02
AC007009.2	-2.94	4.11E-02	6.09E-02
AC023590.1	-1.74	4.11E-02	6.09E-02
LINC00479	-2.55	4.11E-02	6.10E-02
RP11-667M19.1	-1.77	4.11E-02	6.10E-02
VN1R108P	-1.18	4.12E-02	6.10E-02
LSAMP-AS1	-1.70	4.12E-02	6.10E-02
MUC12	-1.67	4.12E-02	6.11E-02
NIPAL4	0.33	4.12E-02	6.11E-02
OR10V2P	-2.57	4.12E-02	6.11E-02
KLRC4	-3.03	4.12E-02	6.11E-02
MTHFR	0.25	4.12E-02	6.11E-02
SLFN5	0.51	4.13E-02	6.12E-02
FBXO40	-1.54	4.13E-02	6.12E-02
CTA-360L10.1	-2.03	4.13E-02	6.13E-02
KRTAP10-4	-4.20	4.14E-02	6.13E-02
MCM8-AS1	-1.85	4.14E-02	6.14E-02
SVILP1	-0.96	4.14E-02	6.14E-02
RP11-775C24.4	-2.71	4.15E-02	6.15E-02
RP11-425D10.10	1.07	4.15E-02	6.15E-02
RP11-561N12.1	-3.13	4.15E-02	6.15E-02
RP11-230F18.6	-1.05	4.16E-02	6.16E-02
ENKUR	1.54	4.16E-02	6.16E-02
KRTAP16-1	-4.55	4.16E-02	6.16E-02
SH3RF1	0.31	4.16E-02	6.17E-02
PRDM8	0.97	4.16E-02	6.17E-02
FTH1P3	-2.10	4.17E-02	6.18E-02
RP11-340A13.2	-3.16	4.17E-02	6.18E-02
BTBD10P2	-0.93	4.17E-02	6.18E-02
RP11-778D9.13	-1.67	4.17E-02	6.18E-02
KCNMB2-AS1	-1.92	4.18E-02	6.18E-02
DHCR24	-0.45	4.18E-02	6.19E-02

RP11-509J21.4	-2.21	4.18E-02	6.19E-02
RP11-486A14.1	-1.82	4.18E-02	6.19E-02
ART1	-2.82	4.18E-02	6.19E-02
RP5-902P8.10	-2.01	4.18E-02	6.19E-02
KRT24	6.17	4.18E-02	6.19E-02
MFSD4	0.80	4.18E-02	6.19E-02
XLOC_005099	-1.79	4.18E-02	6.19E-02
AC006947.1	-1.75	4.19E-02	6.20E-02
RP11-522B15.3	1.22	4.19E-02	6.20E-02
RP11-10L12.4	-0.52	4.19E-02	6.20E-02
RP11-168K11.2	-2.01	4.19E-02	6.21E-02
RP11-624L4.1	0.87	4.20E-02	6.21E-02
MECP2	0.29	4.20E-02	6.21E-02
B3GALT5	1.39	4.20E-02	6.21E-02
SSR1	-0.24	4.20E-02	6.21E-02
AGPS	-0.27	4.20E-02	6.22E-02
ZNHIT3	0.21	4.21E-02	6.22E-02
RP11-403A21.1	-0.97	4.21E-02	6.23E-02
ARF4-AS1	-1.85	4.21E-02	6.23E-02
RPL39	-0.35	4.21E-02	6.23E-02
HMGN2P8	-2.42	4.21E-02	6.23E-02
AC062017.1	0.79	4.21E-02	6.23E-02
RP11-218M22.1	-0.46	4.21E-02	6.23E-02
GLYATL1P3	-1.69	4.21E-02	6.23E-02
CTD-2184C24.2	-1.30	4.21E-02	6.23E-02
FAM66C	-0.74	4.22E-02	6.24E-02
RNU6-1284P	-2.59	4.22E-02	6.24E-02
HOXB5	1.26	4.22E-02	6.24E-02
RP11-676J12.6	1.71	4.23E-02	6.25E-02
WTAPP1	1.64	4.23E-02	6.25E-02
RNU4-8P	-2.65	4.23E-02	6.25E-02
RP11-214N1.1	-3.16	4.23E-02	6.25E-02
TRAF3IP3	-0.58	4.23E-02	6.25E-02
RP11-641C17.2	-2.48	4.23E-02	6.25E-02
LACTB2	-0.46	4.23E-02	6.25E-02
IGLV1-51	-1.93	4.23E-02	6.25E-02
DLK2	0.55	4.23E-02	6.26E-02
ASAH2C	-2.58	4.23E-02	6.26E-02
RP11-462B18.3	-1.88	4.23E-02	6.26E-02
G22375	-0.79	4.24E-02	6.26E-02
PPP1CB	-0.35	4.24E-02	6.27E-02
MRPS24	-1.24	4.24E-02	6.27E-02
AC009061.1	1.45	4.24E-02	6.27E-02
RP13-554M15.5	-1.69	4.24E-02	6.27E-02
SPDYE18	-0.94	4.25E-02	6.28E-02

ANKRD1	-2.21	4.25E-02	6.28E-02
FLCN	0.29	4.25E-02	6.28E-02
EVI2A	0.78	4.26E-02	6.29E-02
RP11-352G18.2	-1.17	4.26E-02	6.29E-02
EYA1	-1.42	4.26E-02	6.29E-02
RP5-901A4.1	-1.42	4.26E-02	6.30E-02
RP4-758J24.4	-2.83	4.26E-02	6.30E-02
CEL	0.90	4.27E-02	6.30E-02
LINC01317	-1.26	4.27E-02	6.30E-02
RP11-497H16.4	1.32	4.27E-02	6.30E-02
CD8A	0.75	4.27E-02	6.30E-02
ASCL4	-1.31	4.27E-02	6.30E-02
G30934	-1.18	4.27E-02	6.31E-02
TRIM29	0.41	4.28E-02	6.31E-02
PLEKHG7	-1.33	4.28E-02	6.31E-02
RPL23	0.31	4.28E-02	6.32E-02
CTD-2128A3.2	2.05	4.28E-02	6.32E-02
RPSAP9	1.17	4.28E-02	6.32E-02
RNA5SP290	-2.66	4.29E-02	6.33E-02
CTD-2047H16.2	1.39	4.29E-02	6.33E-02
KITLG	-0.64	4.29E-02	6.33E-02
WDR90	0.54	4.29E-02	6.33E-02
LINC01287	-2.47	4.29E-02	6.33E-02
OR2AE1	-2.49	4.29E-02	6.34E-02
FAM173B	-0.48	4.29E-02	6.34E-02
RPS15AP16	0.99	4.29E-02	6.34E-02
EP300	-0.29	4.30E-02	6.34E-02
ADAMTS8	0.84	4.30E-02	6.34E-02
DENND6A-AS1	-1.37	4.31E-02	6.35E-02
AC079610.2	-2.65	4.31E-02	6.35E-02
SYCN	-1.14	4.31E-02	6.35E-02
GABRB2	-1.10	4.31E-02	6.35E-02
RP11-161H23.9	-3.01	4.31E-02	6.35E-02
MIR1273F	-2.80	4.31E-02	6.36E-02
RP11-3N13.2	-3.23	4.31E-02	6.36E-02
LSM1P1	-3.22	4.31E-02	6.36E-02
NRD1	-0.32	4.31E-02	6.36E-02
BTBD9	-0.21	4.32E-02	6.38E-02
RP3-477O4.14	-1.44	4.33E-02	6.38E-02
UTP18	-0.27	4.33E-02	6.38E-02
MYO3B	0.83	4.33E-02	6.38E-02
ASNS	-0.32	4.33E-02	6.38E-02
TSKU	0.30	4.33E-02	6.38E-02
DGKI	0.69	4.33E-02	6.39E-02
RP11-181D18.4	-1.56	4.33E-02	6.39E-02

LINC00574	1.97	4.33E-02	6.39E-02
C9orf147	-1.03	4.34E-02	6.39E-02
GBP1	0.39	4.34E-02	6.39E-02
MRAP	-1.56	4.34E-02	6.40E-02
RP11-802E16.3	1.10	4.34E-02	6.40E-02
ABCC6	0.77	4.35E-02	6.41E-02
RP11-627G18.2	-2.66	4.35E-02	6.42E-02
RP11-108M9.6	-1.74	4.35E-02	6.42E-02
MZB1	1.48	4.36E-02	6.42E-02
GGT3P	1.90	4.37E-02	6.44E-02
RP11-324E6.10	-1.48	4.37E-02	6.44E-02
SLC25A44	0.25	4.38E-02	6.45E-02
AC109333.10	-1.47	4.38E-02	6.45E-02
RN7SL21P	-2.05	4.38E-02	6.45E-02
RP11-51O6.1	-0.51	4.39E-02	6.46E-02
G7666	-0.79	4.39E-02	6.46E-02
NCOA6	0.30	4.39E-02	6.46E-02
PPARG	1.35	4.39E-02	6.46E-02
GPR20	1.11	4.39E-02	6.47E-02
SLC25A21	-0.85	4.39E-02	6.47E-02
XLOC_005560	1.19	4.39E-02	6.47E-02
ZNF550	-0.32	4.40E-02	6.47E-02
AGBL1	-2.79	4.40E-02	6.47E-02
DSG2-AS1	-1.70	4.40E-02	6.48E-02
RNU6-539P	-1.86	4.40E-02	6.48E-02
ESF1	0.37	4.40E-02	6.48E-02
CRK	0.20	4.41E-02	6.49E-02
RAB28P5	-1.88	4.41E-02	6.49E-02
AC108448.2	-1.77	4.41E-02	6.49E-02
G8320	-1.08	4.41E-02	6.49E-02
MPHOSPH10	0.24	4.41E-02	6.50E-02
AC007392.3	1.37	4.41E-02	6.50E-02
RPL35P6	-2.53	4.41E-02	6.50E-02
FAM41C	-2.74	4.42E-02	6.50E-02
RN7SL144P	-2.81	4.42E-02	6.51E-02
CC2D2A	-0.37	4.42E-02	6.51E-02
NR1I2	-2.46	4.42E-02	6.51E-02
GLUD2	0.68	4.43E-02	6.52E-02
BTN1A1	-2.11	4.43E-02	6.52E-02
CTD-2325B11.1	-2.96	4.43E-02	6.52E-02
TPT1-AS1	-0.52	4.43E-02	6.53E-02
OR7A19P	-1.93	4.44E-02	6.53E-02
TRMT44	-0.36	4.44E-02	6.54E-02
RNU7-49P	-2.10	4.45E-02	6.54E-02
RNU7-163P	-2.03	4.45E-02	6.54E-02

G31519	-0.99	4.45E-02	6.55E-02
ZNF807	-2.11	4.45E-02	6.55E-02
RP11-320M2.1	1.26	4.45E-02	6.55E-02
RP11-816J6.3	-1.31	4.46E-02	6.55E-02
OVOL2	0.49	4.46E-02	6.56E-02
G38700	0.89	4.46E-02	6.56E-02
REV3L-IT1	-1.36	4.46E-02	6.56E-02
FZD10	0.51	4.46E-02	6.57E-02
LRRC71	-1.43	4.47E-02	6.57E-02
MAPT-AS1	-2.68	4.47E-02	6.57E-02
FAM228A	1.43	4.47E-02	6.57E-02
LA16c-306A4.1	-1.80	4.47E-02	6.58E-02
RP11-111F5.4	1.25	4.47E-02	6.58E-02
C1orf189	-1.71	4.48E-02	6.59E-02
TUBB4A	-0.82	4.48E-02	6.59E-02
DHX40	-0.29	4.49E-02	6.59E-02
RP11-739N20.3	-2.78	4.49E-02	6.60E-02
ALDH8A1	-1.17	4.49E-02	6.60E-02
PRORSD1P	0.78	4.49E-02	6.60E-02
STAB2	1.14	4.49E-02	6.60E-02
ACYP1	0.43	4.49E-02	6.60E-02
RP1-278O22.1	-0.93	4.49E-02	6.61E-02
CCNY	0.22	4.50E-02	6.61E-02
KRT34	2.11	4.50E-02	6.61E-02
G11279	-3.02	4.50E-02	6.61E-02
WNT3A	-0.52	4.50E-02	6.61E-02
TRG-AS1	0.98	4.50E-02	6.62E-02
AC074011.2	1.74	4.51E-02	6.63E-02
RP11-74D7.3	-1.63	4.51E-02	6.63E-02
AL359832.1	-2.71	4.52E-02	6.64E-02
ZNF396	0.34	4.52E-02	6.64E-02
ZNF559	-0.42	4.52E-02	6.64E-02
NHSL2	0.62	4.52E-02	6.64E-02
CTC-236F12.4	-0.86	4.52E-02	6.65E-02
CH507-9B2.5	-1.38	4.53E-02	6.65E-02
RP11-147L13.13	-0.45	4.53E-02	6.66E-02
PMS2P7	0.95	4.54E-02	6.67E-02
RP11-90K6.1	-2.84	4.54E-02	6.67E-02
CTB-134H23.3	-2.69	4.54E-02	6.67E-02
CDKN2B-AS1	1.38	4.54E-02	6.67E-02
RP1-151F17.1	0.59	4.54E-02	6.67E-02
GCOM2	-1.46	4.55E-02	6.68E-02
GRPEL1	0.26	4.55E-02	6.68E-02
FGD5-AS1	-0.22	4.55E-02	6.68E-02
TWF1P1	-1.03	4.55E-02	6.69E-02

EIF3M	-0.24	4.55E-02	6.69E-02
MIS18A-AS1	-1.08	4.56E-02	6.69E-02
IDNK	0.28	4.56E-02	6.69E-02
RP11-727A23.10	-1.73	4.56E-02	6.70E-02
RP1-131F15.2	-2.01	4.56E-02	6.70E-02
WDR92	0.33	4.56E-02	6.70E-02
RPS4XP11	-2.36	4.57E-02	6.70E-02
RP11-88E10.4	1.17	4.57E-02	6.71E-02
RNU6-828P	-2.48	4.57E-02	6.71E-02
RP11-680C21.1	1.25	4.57E-02	6.71E-02
RP11-872J21.3	1.11	4.57E-02	6.71E-02
PCSK1N	1.39	4.57E-02	6.71E-02
SMAD9	-0.47	4.57E-02	6.71E-02
MIR4740	2.35	4.58E-02	6.71E-02
AHCYL2	-0.30	4.58E-02	6.71E-02
RP11-848P1.4	-1.32	4.58E-02	6.71E-02
ITGB2-AS1	1.12	4.58E-02	6.71E-02
RP13-726E6.2	-1.56	4.58E-02	6.71E-02
AUTS2	0.45	4.58E-02	6.71E-02
ALDH5A1	-0.42	4.58E-02	6.71E-02
RP11-235E17.3	-2.08	4.58E-02	6.72E-02
LKAAEAR1	1.75	4.58E-02	6.72E-02
DESI1	0.29	4.58E-02	6.72E-02
KRTAP9-3	-4.70	4.58E-02	6.72E-02
LINC01036	-2.77	4.58E-02	6.72E-02
CTC-336P14.1	-1.08	4.58E-02	6.72E-02
RP4-678D15.1	-3.23	4.58E-02	6.72E-02
ABLIM2	0.44	4.59E-02	6.73E-02
RP11-972P1.11	-1.32	4.59E-02	6.73E-02
CTD-2270F17.1	-2.94	4.59E-02	6.73E-02
RP11-145A3.2	2.33	4.59E-02	6.73E-02
MUCL1	1.45	4.59E-02	6.74E-02
AK5	0.63	4.60E-02	6.74E-02
SLC22A31	-1.69	4.60E-02	6.74E-02
PABPC1P7	-1.73	4.60E-02	6.74E-02
RP5-1132H15.3	-1.25	4.60E-02	6.75E-02
RSBN1L	-0.22	4.60E-02	6.75E-02
CELP	-2.19	4.60E-02	6.75E-02
RP11-90L20.2	-1.32	4.60E-02	6.75E-02
RP11-44F14.10	1.38	4.61E-02	6.75E-02
AKR7A3	0.73	4.61E-02	6.75E-02
TMEM246	-0.38	4.61E-02	6.75E-02
RNA5SP160	-1.72	4.61E-02	6.75E-02
FAM57A	-0.30	4.61E-02	6.75E-02
RNA5SP268	-2.50	4.61E-02	6.76E-02

HAUS1P1	-1.98	4.61E-02	6.76E-02
MRPL15	0.35	4.61E-02	6.76E-02
RPS27L	0.33	4.61E-02	6.76E-02
RBBP7	-0.31	4.62E-02	6.76E-02
DENND2A	0.74	4.62E-02	6.76E-02
RP11-54I5.1	-1.22	4.62E-02	6.76E-02
AC012363.7	-2.47	4.62E-02	6.77E-02
NHP2P1	-1.72	4.62E-02	6.77E-02
MGEA5	-0.27	4.62E-02	6.77E-02
KIAA1522	0.52	4.62E-02	6.77E-02
SEPT14P12	-2.37	4.63E-02	6.78E-02
RP5-1048B16.1	-3.25	4.63E-02	6.78E-02
CTB-181H17.1	-1.14	4.63E-02	6.78E-02
RP11-138A9.2	-0.94	4.63E-02	6.78E-02
STK35	-0.28	4.63E-02	6.78E-02
KRTAP21-2	-3.07	4.63E-02	6.78E-02
RPL21P106	-3.25	4.63E-02	6.78E-02
CTD-2571L23.8	-1.71	4.64E-02	6.79E-02
XLOC_008668	-2.16	4.64E-02	6.79E-02
CMSS1	0.35	4.64E-02	6.79E-02
RNU6-866P	-3.07	4.64E-02	6.79E-02
CAB39P1	-2.77	4.64E-02	6.79E-02
CTD-3076O17.2	-1.52	4.64E-02	6.79E-02
AC012501.2	-3.23	4.64E-02	6.79E-02
CDC37L1	-0.22	4.64E-02	6.80E-02
ACSS1	-0.35	4.64E-02	6.80E-02
G5264	-0.72	4.65E-02	6.80E-02
IGKV1OR2-108	-2.27	4.65E-02	6.81E-02
TMIGD1	-2.32	4.66E-02	6.81E-02
RPL23AP67	-2.03	4.66E-02	6.81E-02
ZNF324	-0.22	4.66E-02	6.82E-02
GNG3	-2.33	4.66E-02	6.82E-02
ANXA2	0.25	4.67E-02	6.83E-02
RP11-119F19.4	-0.64	4.68E-02	6.84E-02
RP11-202D1.3	-2.69	4.68E-02	6.84E-02
RP3-453C12.8	-2.59	4.68E-02	6.84E-02
CTD-2639E6.4	1.62	4.68E-02	6.84E-02
ELOVL4	-0.48	4.68E-02	6.84E-02
PLA2G3	0.55	4.68E-02	6.85E-02
RP11-307P22.1	-1.44	4.68E-02	6.85E-02
RP3-467D16.3	-2.55	4.69E-02	6.85E-02
AC078883.4	-1.38	4.69E-02	6.86E-02
SLC30A3	2.21	4.69E-02	6.86E-02
RP4-568C11.4	-0.54	4.69E-02	6.86E-02
RP4-785G19.2	-2.69	4.69E-02	6.86E-02

TMEM95	-1.48	4.69E-02	6.86E-02
PMP22	0.54	4.70E-02	6.87E-02
G263	-0.99	4.70E-02	6.87E-02
DSTNP2	0.54	4.70E-02	6.87E-02
MAPK9	0.18	4.70E-02	6.87E-02
TGM7	2.32	4.70E-02	6.87E-02
MGME1	-0.22	4.71E-02	6.88E-02
IGKV2-23	-3.05	4.71E-02	6.88E-02
AC007000.11	-0.87	4.71E-02	6.88E-02
RP11-782C8.6	-2.26	4.71E-02	6.88E-02
ATP2A2	0.33	4.71E-02	6.89E-02
OR52H1	-3.10	4.71E-02	6.89E-02
LRRC73	0.84	4.72E-02	6.89E-02
SLC25A33	0.42	4.72E-02	6.90E-02
AP001059.7	-2.56	4.72E-02	6.90E-02
RP11-63E9.1	1.78	4.72E-02	6.90E-02
COX16	-0.38	4.72E-02	6.90E-02
MPL	1.03	4.72E-02	6.90E-02
CTD-2647E9.3	-2.33	4.72E-02	6.90E-02
RP11-318A15.8	-2.61	4.73E-02	6.90E-02
CTC-457E21.1	-3.17	4.73E-02	6.91E-02
TTLL9	-1.17	4.73E-02	6.91E-02
GFI1B	-1.59	4.73E-02	6.91E-02
FECH	0.26	4.73E-02	6.91E-02
RP11-447H19.3	-2.94	4.73E-02	6.91E-02
RP11-17P16.2	-1.55	4.73E-02	6.91E-02
GAPDHP74	-3.16	4.74E-02	6.92E-02
MIR2117HG	-3.26	4.74E-02	6.92E-02
CTD-2331H12.7	-1.40	4.74E-02	6.92E-02
RP11-415J8.5	-2.19	4.74E-02	6.92E-02
NBEA	-0.76	4.75E-02	6.93E-02
XRRA1	-0.56	4.75E-02	6.93E-02
CTC-518B2.10	-1.84	4.75E-02	6.93E-02
SPACA6P	-0.55	4.75E-02	6.93E-02
LINC00548	-1.48	4.75E-02	6.93E-02
ZCCHC8	-0.21	4.75E-02	6.93E-02
ASPHD2	-0.55	4.75E-02	6.94E-02
RP11-186N15.3	-0.86	4.76E-02	6.94E-02
RP11-629B11.5	1.00	4.77E-02	6.96E-02
RP11-567M16.2	-0.88	4.77E-02	6.97E-02
CTD-2256P15.1	-2.19	4.77E-02	6.97E-02
RNF219-AS1	-1.91	4.77E-02	6.97E-02
BAG2	0.71	4.78E-02	6.97E-02
AC007563.3	-2.10	4.78E-02	6.97E-02
AC093609.1	-0.60	4.78E-02	6.97E-02

TMIE	0.76	4.78E-02	6.97E-02
RN7SL368P	2.13	4.78E-02	6.97E-02
AL591893.1	-1.65	4.78E-02	6.98E-02
KIAA1211	-0.67	4.79E-02	6.99E-02
TEKT5	1.35	4.80E-02	7.00E-02
CTC-512J12.7	-2.08	4.80E-02	7.00E-02
XLOC_008277	-1.63	4.80E-02	7.01E-02
HDHD2	-0.20	4.80E-02	7.01E-02
RN7SKP16	-1.59	4.80E-02	7.01E-02
RPL12P25	-1.74	4.82E-02	7.03E-02
SNCA-AS1	-2.53	4.82E-02	7.03E-02
CHCHD2P2	-1.28	4.82E-02	7.03E-02
CDK14	0.62	4.82E-02	7.04E-02
CROCC	0.45	4.83E-02	7.04E-02
RNU4-23P	-2.41	4.83E-02	7.04E-02
KDELR2	0.30	4.83E-02	7.04E-02
AP000640.2	-2.47	4.83E-02	7.04E-02
MST1	0.65	4.83E-02	7.04E-02
KLHL22-IT1	1.99	4.83E-02	7.05E-02
LINC00906	-1.23	4.84E-02	7.06E-02
PHLDB2	0.44	4.84E-02	7.06E-02
AC006994.2	-1.63	4.84E-02	7.06E-02
RNU6-1257P	-2.87	4.84E-02	7.06E-02
AC020550.7	-1.98	4.84E-02	7.06E-02
CTC-203F4.2	1.05	4.84E-02	7.06E-02
RABL3	-0.26	4.85E-02	7.06E-02
RNU6-748P	-2.73	4.85E-02	7.06E-02
PIK3R5	0.71	4.85E-02	7.07E-02
IGFBP3	0.87	4.85E-02	7.07E-02
ACAD10	0.27	4.86E-02	7.08E-02
TOM1L1	-0.31	4.86E-02	7.08E-02
RP11-325L12.5	-2.07	4.86E-02	7.08E-02
GUSBP2	-0.79	4.86E-02	7.08E-02
RP11-779O18.2	-3.33	4.86E-02	7.08E-02
KDM2B	-0.21	4.86E-02	7.08E-02
MIR762HG	0.79	4.86E-02	7.08E-02
ZP2	-2.76	4.87E-02	7.09E-02
FOXI1	2.49	4.87E-02	7.09E-02
AC007386.4	-2.29	4.87E-02	7.10E-02
DHRS7B	0.27	4.87E-02	7.10E-02
1-Sep	0.46	4.87E-02	7.10E-02
SMIM10L2A	0.41	4.88E-02	7.10E-02
HMGB1P19	-2.56	4.88E-02	7.10E-02
RP11-296A18.6	-1.27	4.88E-02	7.11E-02
DPT	1.02	4.88E-02	7.11E-02

SPRN	0.57	4.88E-02	7.11E-02
RP11-154D17.1	-1.44	4.88E-02	7.11E-02
LINC01106	0.69	4.88E-02	7.11E-02
RP11-408A13.3	-1.63	4.89E-02	7.11E-02
G8753	-0.80	4.89E-02	7.12E-02
EPHA10	1.22	4.89E-02	7.12E-02
BMPR1APS2	-1.97	4.90E-02	7.13E-02
RBM11	-1.10	4.90E-02	7.13E-02
RSRP1	-0.68	4.90E-02	7.14E-02
SLC22A9	-2.70	4.90E-02	7.14E-02
OXCT1-AS1	-0.96	4.90E-02	7.14E-02
SLC26A4-AS1	1.63	4.91E-02	7.14E-02
RP11-63G10.3	-1.61	4.91E-02	7.14E-02
AC093627.12	-2.71	4.91E-02	7.14E-02
MFSD12	-0.49	4.91E-02	7.14E-02
RP11-179A10.1	-2.48	4.91E-02	7.15E-02
OR52H2P	-2.73	4.91E-02	7.15E-02
CALR4P	-2.39	4.92E-02	7.15E-02
MLPH	0.45	4.93E-02	7.17E-02
RP11-236P24.3	-2.63	4.93E-02	7.17E-02
RPL15	0.29	4.94E-02	7.18E-02
LINC01587	-1.75	4.94E-02	7.18E-02
RP11-618M23.5	-2.34	4.94E-02	7.18E-02
KCNIP2	0.97	4.95E-02	7.20E-02
COPA	0.20	4.95E-02	7.21E-02
RP11-418J17.3	-2.36	4.96E-02	7.21E-02
RP11-484L8.1	-1.71	4.96E-02	7.21E-02
RP11-359B12.2	-0.51	4.96E-02	7.21E-02
RP11-96D1.8	-1.07	4.96E-02	7.22E-02
ITGBL1	0.97	4.96E-02	7.22E-02
ATG10	-0.38	4.97E-02	7.22E-02
ACOT11	0.63	4.97E-02	7.23E-02
RP11-742D12.2	-2.81	4.97E-02	7.23E-02
RP11-643M14.1	-1.75	4.98E-02	7.24E-02
LA16c-380F5.3	1.09	4.98E-02	7.24E-02
RPS15AP24	-2.07	4.99E-02	7.25E-02
RP4-782L23.2	-2.36	4.99E-02	7.25E-02
RPL31P49	-2.61	4.99E-02	7.25E-02
PRRG3	-0.77	4.99E-02	7.26E-02
EIF4BP6	-0.46	5.00E-02	7.26E-02
RP11-652G5.1	-2.59	5.00E-02	7.26E-02
KRTAP11-1	-3.17	5.00E-02	7.27E-02
SOWAHB	-0.52	5.00E-02	7.27E-02
UQCRFS1P1	0.62	5.00E-02	7.27E-02
NPC1	-0.22	5.01E-02	7.28E-02

RPL13P12	-1.76	5.01E-02	7.28E-02
MTMR12	-0.25	5.01E-02	7.29E-02
DISC1-IT1	-2.60	5.02E-02	7.29E-02
AGT	2.48	5.02E-02	7.30E-02
G35852	-2.78	5.02E-02	7.30E-02
AL356475.1	1.17	5.02E-02	7.30E-02
ARMC12	1.47	5.02E-02	7.30E-02
AC005775.2	1.71	5.02E-02	7.30E-02
DOPEY2	-0.44	5.03E-02	7.30E-02
AC098795.1	-2.39	5.03E-02	7.31E-02
SLC26A1	-0.71	5.03E-02	7.31E-02
LINC01269	-1.34	5.04E-02	7.31E-02
PCNT	-0.26	5.04E-02	7.31E-02
RP11-142C4.5	-1.24	5.04E-02	7.32E-02
TCEANC2	-0.21	5.04E-02	7.32E-02
PKD1P1	-2.56	5.04E-02	7.32E-02
RP4-646N3.1	-2.10	5.05E-02	7.33E-02
RP11-107F6.4	-2.52	5.05E-02	7.33E-02
IGF2R	-0.22	5.05E-02	7.33E-02
RP13-726E6.1	-2.75	5.05E-02	7.33E-02
RP11-620J15.2	1.70	5.05E-02	7.33E-02
TRPM2-AS	-1.73	5.05E-02	7.34E-02
RP11-184B22.2	-2.35	5.05E-02	7.34E-02
GTF2IP23	-0.82	5.06E-02	7.34E-02
KCNC4-AS1	-2.31	5.06E-02	7.35E-02
HSPA1A	0.36	5.06E-02	7.35E-02
RP11-109A6.2	-1.81	5.06E-02	7.35E-02
DMRTA1	-1.48	5.06E-02	7.35E-02
RN7SL398P	-1.97	5.07E-02	7.36E-02
TMA16	-0.24	5.07E-02	7.36E-02
CTD-2315E11.1	1.90	5.07E-02	7.36E-02
WWC3-AS1	-1.47	5.07E-02	7.36E-02
RNU6-678P	-2.11	5.08E-02	7.37E-02
RP11-73M11.3	-2.56	5.08E-02	7.37E-02
RAB37	0.82	5.08E-02	7.37E-02
AC005831.1	1.57	5.08E-02	7.37E-02
CTD-2561J22.1	-2.58	5.08E-02	7.37E-02
MMP25	0.82	5.09E-02	7.39E-02
HIC2	0.39	5.10E-02	7.39E-02
XLOC_010005	-3.30	5.10E-02	7.40E-02
GTF2H2B	-1.19	5.10E-02	7.40E-02
MIR331	-2.19	5.10E-02	7.40E-02
RP11-299H21.1	0.74	5.11E-02	7.42E-02
CCNG1	-0.34	5.11E-02	7.42E-02
MFAP1P1	1.50	5.12E-02	7.42E-02

C10orf105	-1.03	5.12E-02	7.42E-02
CTD-2561B21.3	-2.59	5.12E-02	7.43E-02
HSP90AB4P	1.10	5.12E-02	7.43E-02
G36482	0.74	5.12E-02	7.43E-02
RP11-160H22.5	-1.34	5.12E-02	7.43E-02
H3F3AP6	-0.64	5.12E-02	7.43E-02
C19orf44	0.36	5.13E-02	7.44E-02
AC002310.17	-1.99	5.13E-02	7.44E-02
RP11-661G16.2	-2.88	5.14E-02	7.45E-02
EXOSC10	-0.13	5.14E-02	7.45E-02
PHKA2-AS1	1.16	5.15E-02	7.47E-02
EVPLL	-1.34	5.16E-02	7.47E-02
TIGD7	-0.76	5.16E-02	7.48E-02
RP11-360N9.2	2.23	5.16E-02	7.48E-02
FBXW11P1	-1.36	5.16E-02	7.48E-02
RPL23AP90	-2.06	5.16E-02	7.48E-02
RP11-459F6.3	-0.95	5.17E-02	7.49E-02
NPR3	-0.64	5.17E-02	7.49E-02
CTD-2054N24.2	1.04	5.17E-02	7.50E-02
RP11-385G16.1	-2.54	5.18E-02	7.50E-02
TAP1	0.29	5.18E-02	7.50E-02
AC097493.1	-2.35	5.18E-02	7.50E-02
RP11-71E19.1	-2.33	5.18E-02	7.51E-02
RP11-615I2.3	-1.53	5.18E-02	7.51E-02
CNTN1	-1.10	5.18E-02	7.51E-02
GPR183	0.67	5.18E-02	7.51E-02
PLSCR4	0.55	5.19E-02	7.52E-02
SPDEF	2.30	5.20E-02	7.53E-02
RP11-159H22.1	-2.62	5.20E-02	7.53E-02
LRRTM3	-2.54	5.20E-02	7.53E-02
GGNBP1	-2.59	5.20E-02	7.53E-02
RNU7-28P	-2.43	5.20E-02	7.54E-02
F10	0.73	5.21E-02	7.54E-02
FAM84B	-0.37	5.21E-02	7.54E-02
GGT8P	-2.76	5.21E-02	7.54E-02
RP11-371I20.2	1.87	5.21E-02	7.54E-02
FAM27E3	-1.27	5.21E-02	7.54E-02
RP11-473M20.5	0.98	5.21E-02	7.54E-02
PCDHGA5	-0.47	5.21E-02	7.54E-02
STAC	-0.77	5.22E-02	7.55E-02
RP11-266N13.2	-2.52	5.22E-02	7.55E-02
FALEC	-0.81	5.22E-02	7.56E-02
ZNF385B	-1.15	5.22E-02	7.56E-02
RP11-662B19.1	-2.12	5.22E-02	7.56E-02
SP100	0.23	5.23E-02	7.57E-02

LMO7	-0.34	5.23E-02	7.57E-02
CTC-429P9.3	-0.38	5.23E-02	7.57E-02
CTD-2376I4.1	1.64	5.23E-02	7.57E-02
BTF3L4	-0.27	5.23E-02	7.57E-02
FAM83D	-0.42	5.24E-02	7.58E-02
G30412	-1.34	5.24E-02	7.58E-02
HSBP1P1	-2.57	5.24E-02	7.58E-02
RBPJP7	-1.96	5.24E-02	7.58E-02
ANAPC15	0.40	5.24E-02	7.58E-02
RP11-334L9.1	-1.97	5.24E-02	7.59E-02
AC100848.1	-2.98	5.25E-02	7.59E-02
RMDN2-AS1	-1.65	5.25E-02	7.59E-02
HMGB3P8	-1.08	5.25E-02	7.59E-02
RP11-680F20.6	-0.78	5.25E-02	7.60E-02
PRTG	0.86	5.25E-02	7.60E-02
RP11-289I10.2	1.55	5.25E-02	7.60E-02
ATP5H	0.27	5.25E-02	7.60E-02
OR9I2P	-2.76	5.26E-02	7.61E-02
RP11-488I20.8	-3.21	5.26E-02	7.61E-02
CLDN17	1.56	5.27E-02	7.61E-02
AC005754.8	-0.85	5.27E-02	7.62E-02
CTA-113A6.1	-1.84	5.27E-02	7.62E-02
ESPN	0.62	5.27E-02	7.62E-02
DHX35	0.20	5.27E-02	7.62E-02
RP11-365P13.5	-1.24	5.28E-02	7.63E-02
RP11-261C10.7	2.95	5.28E-02	7.64E-02
CTC-209L16.1	-2.32	5.28E-02	7.64E-02
C21orf62-AS1	-0.66	5.29E-02	7.64E-02
KRTAP4-1	-5.07	5.29E-02	7.65E-02
RNU6-372P	-3.08	5.29E-02	7.65E-02
TMPRSS13	0.40	5.29E-02	7.65E-02
AP000560.3	-0.73	5.30E-02	7.65E-02
RP11-404O13.5	-2.05	5.30E-02	7.66E-02
ERICD	1.25	5.30E-02	7.66E-02
RP11-517I3.2	0.42	5.31E-02	7.67E-02
SLC7A11-AS1	-1.60	5.31E-02	7.67E-02
SALRNA2	-1.91	5.31E-02	7.67E-02
RP11-297K8.2	-2.37	5.32E-02	7.68E-02
WEE2-AS1	0.61	5.32E-02	7.68E-02
SPINK4	-1.78	5.32E-02	7.68E-02
GOLGA8R	0.66	5.32E-02	7.69E-02
QSOX2	-0.25	5.32E-02	7.69E-02
KRTAP2-4	-4.45	5.33E-02	7.70E-02
LINC00637	-2.69	5.33E-02	7.70E-02
RP11-81A22.5	0.78	5.33E-02	7.70E-02

CLCP2	-2.42	5.34E-02	7.71E-02
IGHV3-49	4.87	5.34E-02	7.71E-02
DIO2-AS1	-1.28	5.34E-02	7.71E-02
RP11-383C5.5	-1.42	5.34E-02	7.71E-02
HBQ1	-2.43	5.34E-02	7.71E-02
RP11-1055B8.2	-2.36	5.34E-02	7.71E-02
RP11-87N3.6	-2.64	5.34E-02	7.71E-02
ABCF2	0.25	5.34E-02	7.71E-02
RP11-958F21.1	-1.87	5.34E-02	7.71E-02
RP11-25G10.2	-2.54	5.34E-02	7.71E-02
PIP5K1B	0.93	5.34E-02	7.72E-02
RP11-547D23.1	-1.77	5.35E-02	7.72E-02
RN7SL707P	-2.38	5.35E-02	7.72E-02
ATRAID	0.27	5.35E-02	7.72E-02
DNAJC12	0.98	5.36E-02	7.73E-02
RAD52	-0.41	5.36E-02	7.73E-02
STAG3L5P	-0.65	5.36E-02	7.74E-02
DPY19L3	-0.29	5.36E-02	7.74E-02
LINC00526	0.43	5.36E-02	7.74E-02
RBM18	-0.25	5.37E-02	7.74E-02
RP11-723J4.3	-1.77	5.37E-02	7.74E-02
CTC-308K20.3	-2.35	5.37E-02	7.75E-02
RP11-423E7.1	-2.10	5.37E-02	7.75E-02
G16361	1.63	5.38E-02	7.76E-02
RP11-96D1.7	-1.87	5.38E-02	7.76E-02
CTD-3035D6.1	-2.55	5.38E-02	7.76E-02
CICP26	-1.93	5.39E-02	7.77E-02
CTC-351M12.1	0.56	5.39E-02	7.77E-02
G25119	-3.36	5.40E-02	7.79E-02
CTC-428G20.6	-0.95	5.40E-02	7.79E-02
METTL6	-0.23	5.40E-02	7.79E-02
FGF10	1.41	5.40E-02	7.79E-02
ALDH18A1	0.22	5.41E-02	7.79E-02
RP4-737E23.7	1.37	5.41E-02	7.79E-02
NUCB2	0.34	5.41E-02	7.80E-02
AC007391.2	-2.94	5.41E-02	7.80E-02
AC068896.1	-2.69	5.42E-02	7.81E-02
RN7SL108P	-3.08	5.42E-02	7.81E-02
HN1L	0.29	5.42E-02	7.81E-02
AKAP1	0.29	5.42E-02	7.82E-02
ZNF211	-0.34	5.42E-02	7.82E-02
CNTNAP3B	-0.84	5.43E-02	7.82E-02
AC141586.5	0.51	5.43E-02	7.82E-02
IARS2	-0.20	5.43E-02	7.83E-02
STARD9	-0.51	5.44E-02	7.84E-02

RP11-84A14.4	-1.27	5.44E-02	7.84E-02
RP11-15A1.4	-0.98	5.44E-02	7.84E-02
RP11-19G24.2	-2.69	5.44E-02	7.85E-02
G15152	1.64	5.45E-02	7.85E-02
LNX1-AS2	-2.03	5.45E-02	7.85E-02
GTF2IRD2P1	1.73	5.46E-02	7.86E-02
CLMP	-1.22	5.46E-02	7.87E-02
RP11-265N7.2	-2.80	5.46E-02	7.87E-02
TRIM17	0.61	5.46E-02	7.87E-02
RP11-839D17.3	1.35	5.46E-02	7.87E-02
SNX6P1	-3.59	5.46E-02	7.87E-02
G41381	-1.30	5.46E-02	7.87E-02
XLOC_012288	-1.40	5.47E-02	7.87E-02
RPL5P34	-1.00	5.47E-02	7.88E-02
RP11-47J17.1	-2.05	5.47E-02	7.88E-02
AC000068.10	-1.67	5.47E-02	7.88E-02
LINC01545	-2.01	5.48E-02	7.89E-02
RCN1P2	0.92	5.48E-02	7.89E-02
RP11-750H9.5	0.93	5.49E-02	7.90E-02
KRT2	-1.13	5.49E-02	7.91E-02
RP11-511H23.2	-0.79	5.49E-02	7.91E-02
AC108861.1	-2.61	5.49E-02	7.91E-02
RP5-1061H20.4	-0.95	5.50E-02	7.92E-02
TUBB8P2	-2.10	5.50E-02	7.92E-02
LINC01183	-0.79	5.50E-02	7.92E-02
G12029	1.84	5.50E-02	7.92E-02
SESTD1	-0.44	5.51E-02	7.92E-02
CPSF4L	-1.40	5.51E-02	7.94E-02
ZNF296	0.63	5.52E-02	7.94E-02
RP3-337H4.9	-2.44	5.52E-02	7.94E-02
TNFSF8	1.05	5.52E-02	7.94E-02
RP5-875O13.7	-4.04	5.52E-02	7.95E-02
XLOC_011533	-1.92	5.53E-02	7.96E-02
KRTAP4-7	-4.49	5.53E-02	7.96E-02
SETD9	0.50	5.53E-02	7.96E-02
RP5-1041C10.3	-1.14	5.54E-02	7.97E-02
SH3PXD2A	0.24	5.54E-02	7.97E-02
XLOC_001189	-1.84	5.54E-02	7.97E-02
FZD7	0.47	5.54E-02	7.97E-02
KRTAP10-10	-3.62	5.55E-02	7.98E-02
PGLYRP1	-1.48	5.55E-02	7.98E-02
DUSP10	-0.27	5.55E-02	7.99E-02
SNTG2	-0.59	5.56E-02	7.99E-02
STMN1	0.34	5.56E-02	8.00E-02
RP11-712B9.5	-0.86	5.56E-02	8.00E-02

NIM1K	0.60	5.56E-02	8.00E-02
RN7SL558P	-1.33	5.56E-02	8.00E-02
KLRG1	0.88	5.56E-02	8.00E-02
AMZ2P1	0.46	5.56E-02	8.00E-02
RP11-145E17.3	-1.98	5.57E-02	8.00E-02
AC105921.5	-2.81	5.57E-02	8.01E-02
XLOC_013952	-1.72	5.57E-02	8.01E-02
CTD-3138B18.4	-2.33	5.57E-02	8.01E-02
G12464	-2.42	5.57E-02	8.01E-02
MIR143HG	-0.81	5.58E-02	8.02E-02
KRTAP1-5	-3.58	5.58E-02	8.02E-02
RP11-242C19.2	-1.24	5.58E-02	8.02E-02
RP5-1120P11.3	-2.25	5.58E-02	8.03E-02
AC009951.2	-2.62	5.59E-02	8.03E-02
ZAP70	0.53	5.59E-02	8.03E-02
FBXL5	-0.22	5.59E-02	8.03E-02
RP11-474D1.3	-2.59	5.59E-02	8.04E-02
PKP4	-0.22	5.60E-02	8.05E-02
RP11-545A16.3	-1.75	5.60E-02	8.05E-02
XXbac-BPG55C20.7	2.62	5.60E-02	8.05E-02
SYT5	1.25	5.61E-02	8.06E-02
SRRM1	0.29	5.61E-02	8.06E-02
XLOC_013955	-1.68	5.61E-02	8.07E-02
EP300-AS1	0.56	5.62E-02	8.07E-02
GS1-39E22.2	-2.74	5.62E-02	8.07E-02
DUBR	-0.42	5.62E-02	8.07E-02
RP11-142M10.2	-1.58	5.62E-02	8.08E-02
ZRANB2	-0.37	5.63E-02	8.08E-02
RP11-680A11.5	0.95	5.63E-02	8.08E-02
RP11-423O2.3	-2.66	5.63E-02	8.08E-02
MIR3192	-1.95	5.63E-02	8.08E-02
PCDHB8	1.06	5.63E-02	8.09E-02
AC007389.3	-1.02	5.63E-02	8.09E-02
PEG10	0.61	5.63E-02	8.09E-02
SEC23IP	-0.14	5.63E-02	8.09E-02
RP11-438L7.3	-1.60	5.64E-02	8.09E-02
GLYAT	1.30	5.64E-02	8.09E-02
XXYLT1-AS2	-1.09	5.65E-02	8.11E-02
VAMP1	-0.49	5.65E-02	8.11E-02
BTN3A3	0.44	5.65E-02	8.12E-02
RP11-273B20.1	1.16	5.66E-02	8.12E-02
DNAJC14	-0.23	5.66E-02	8.13E-02
CNOT8	0.22	5.67E-02	8.13E-02
HSD52	-2.49	5.67E-02	8.14E-02
RP11-29H23.6	-2.39	5.67E-02	8.14E-02

KRTAP19-1	-4.75	5.67E-02	8.15E-02
RP1-101K10.6	-1.67	5.68E-02	8.15E-02
CTC-436P18.1	-1.84	5.68E-02	8.16E-02
G33806	1.38	5.69E-02	8.16E-02
RP11-404P21.1	-2.27	5.69E-02	8.16E-02
MICAL3	-0.31	5.69E-02	8.17E-02
RP11-16E12.1	-1.16	5.69E-02	8.17E-02
G16040	-1.71	5.70E-02	8.17E-02
AC026703.2	-2.41	5.70E-02	8.18E-02
LPCAT2	0.27	5.70E-02	8.18E-02
CCT6P1	-0.38	5.71E-02	8.19E-02
PHF11	0.23	5.72E-02	8.20E-02
CPNE4	-1.00	5.72E-02	8.21E-02
ALG2	0.19	5.72E-02	8.21E-02
HBM	-2.56	5.72E-02	8.21E-02
UPK1A	1.55	5.72E-02	8.21E-02
SETMAR	0.30	5.73E-02	8.22E-02
ANAPC13	0.29	5.73E-02	8.22E-02
RASGEF1C	1.06	5.73E-02	8.22E-02
RP5-1024G6.2	-1.78	5.73E-02	8.22E-02
PAQR4	0.38	5.74E-02	8.23E-02
CTD-2302E22.4	-1.57	5.74E-02	8.23E-02
TMEM106A	0.73	5.74E-02	8.23E-02
RP3-398G3.5	-2.37	5.74E-02	8.23E-02
RNU6-880P	-2.87	5.74E-02	8.24E-02
RNA5SP282	-2.00	5.74E-02	8.24E-02
HCST	1.07	5.75E-02	8.24E-02
ATG9B	0.79	5.75E-02	8.24E-02
RP5-968D22.1	-2.46	5.75E-02	8.24E-02
RHBG	-0.51	5.75E-02	8.24E-02
DDX1	0.25	5.76E-02	8.25E-02
C5orf63	-0.56	5.76E-02	8.26E-02
RP4-781B1.5	1.48	5.76E-02	8.26E-02
MIR1913	-2.48	5.76E-02	8.26E-02
TNFRSF9	-1.12	5.77E-02	8.27E-02
PTGER1	1.60	5.77E-02	8.27E-02
AL953854.2	-1.96	5.77E-02	8.27E-02
SGCA	0.79	5.77E-02	8.27E-02
RP11-216L13.21	-2.32	5.77E-02	8.27E-02
CLEC18B	1.21	5.78E-02	8.28E-02
XLOC_002759	-3.03	5.78E-02	8.28E-02
RP5-1028K7.2	1.60	5.78E-02	8.29E-02
CTD-2537I9.13	-1.51	5.79E-02	8.29E-02
CXCR2P1	-2.05	5.79E-02	8.29E-02
RNU6-640P	-2.55	5.79E-02	8.30E-02

DEFB109P3	-1.82	5.79E-02	8.30E-02
ZNF812	1.50	5.80E-02	8.30E-02
UNC93A	0.60	5.80E-02	8.31E-02
LRRC17	0.74	5.80E-02	8.31E-02
MIR152	-2.88	5.80E-02	8.31E-02
PRNP	0.29	5.81E-02	8.33E-02
AC005189.6	-2.40	5.82E-02	8.34E-02
SUPT7L	0.26	5.82E-02	8.34E-02
AMFR	0.19	5.82E-02	8.34E-02
G6795	-1.23	5.83E-02	8.34E-02
RP11-429J17.7	-0.86	5.83E-02	8.35E-02
LSM14A	0.24	5.83E-02	8.35E-02
RP11-582J16.5	-0.56	5.83E-02	8.35E-02
GUSBP3	-2.07	5.83E-02	8.35E-02
VTN	-0.98	5.84E-02	8.36E-02
EIF2B1	0.20	5.84E-02	8.36E-02
CTB-102L5.8	-1.42	5.84E-02	8.36E-02
RP11-428J1.4	0.67	5.84E-02	8.36E-02
PRKCH	-0.19	5.85E-02	8.37E-02
RP11-1167A19.6	-2.46	5.85E-02	8.38E-02
CTD-2619J13.27	-2.78	5.86E-02	8.38E-02
RSL24D1P6	-0.97	5.86E-02	8.38E-02
PSMC6	-0.25	5.86E-02	8.39E-02
VCPKMT	-0.30	5.87E-02	8.39E-02
RPS19	0.32	5.87E-02	8.40E-02
RP11-888D10.3	2.03	5.87E-02	8.40E-02
MARK2P13	-1.27	5.87E-02	8.40E-02
SLC12A1	-1.39	5.88E-02	8.41E-02
RP11-1007I13.4	-2.71	5.88E-02	8.41E-02
DCAF8	-0.26	5.88E-02	8.41E-02
AC006946.16	-0.81	5.88E-02	8.41E-02
RETSAT	-0.31	5.88E-02	8.41E-02
XLOC_014369	1.58	5.89E-02	8.42E-02
SLC28A3	-0.39	5.89E-02	8.42E-02
CMC2	-0.31	5.89E-02	8.42E-02
YY1	-0.16	5.89E-02	8.42E-02
SYCP2	-0.64	5.89E-02	8.43E-02
ZSWIM3	-0.34	5.89E-02	8.43E-02
KCTD8	-1.59	5.89E-02	8.43E-02
FAM91A3P	-1.69	5.89E-02	8.43E-02
RNU6-1095P	-2.72	5.90E-02	8.44E-02
RP11-206F17.2	-1.80	5.91E-02	8.45E-02
GDF11	0.43	5.91E-02	8.45E-02
G27754	0.95	5.91E-02	8.45E-02
RP11-304L19.11	-0.74	5.91E-02	8.45E-02

Gene	Value	P1	P2
G12734	1.84	5.91E-02	8.45E-02
AL162431.1	-1.49	5.92E-02	8.46E-02
TLE1P1	1.65	5.92E-02	8.46E-02
TRMU	0.35	5.92E-02	8.46E-02
RP11-180P8.1	-0.76	5.92E-02	8.46E-02
LLNLR-304A6.2	-2.18	5.92E-02	8.47E-02
AC011288.2	2.69	5.93E-02	8.47E-02
USP50	-1.14	5.93E-02	8.47E-02
C14orf159	0.18	5.93E-02	8.48E-02
RNU6-1165P	-1.93	5.93E-02	8.48E-02
DEFB4A	2.20	5.93E-02	8.48E-02
KRT36	-1.40	5.94E-02	8.49E-02
LCE2B	-0.61	5.95E-02	8.51E-02
RP11-488P3.1	-1.06	5.96E-02	8.52E-02
TGFA-IT1	-2.37	5.96E-02	8.52E-02
RP11-386M24.4	1.01	5.97E-02	8.52E-02
CROCCP2	0.55	5.97E-02	8.53E-02
DZIP3	-0.37	5.97E-02	8.53E-02
RP5-1007H16.1	-1.64	5.97E-02	8.53E-02
AL354764.1	-2.69	5.97E-02	8.53E-02
DTD2	-0.30	5.98E-02	8.53E-02
G26059	-1.46	5.98E-02	8.54E-02
AC013461.1	-0.22	5.98E-02	8.54E-02
NKIRAS1	-0.23	5.98E-02	8.54E-02
ROR1	0.41	5.98E-02	8.55E-02
LIG4	-0.31	5.98E-02	8.55E-02
RBP3	-2.45	5.98E-02	8.55E-02
ASB16	-0.61	5.99E-02	8.55E-02
SYNJ1	-0.27	5.99E-02	8.55E-02
RP11-79L9.2	-1.04	5.99E-02	8.55E-02
C8orf34-AS1	1.62	5.99E-02	8.56E-02
TPI1P1	0.75	6.00E-02	8.56E-02
RP11-531F16.3	-1.11	6.00E-02	8.57E-02
CNOT11	0.16	6.00E-02	8.57E-02
FOXP4-AS1	-1.31	6.00E-02	8.57E-02
SNCA	-0.35	6.01E-02	8.58E-02
LYPD6	-0.77	6.01E-02	8.58E-02
PTPRC	-0.67	6.01E-02	8.58E-02
NIP7	0.31	6.01E-02	8.58E-02
RP11-714L20.1	2.02	6.02E-02	8.59E-02
CTC-454I21.3	-2.22	6.02E-02	8.59E-02
AP4B1-AS1	-1.05	6.02E-02	8.59E-02
CCNG2	0.40	6.02E-02	8.59E-02
SS18L2	0.32	6.03E-02	8.60E-02
RP11-473O4.5	-1.00	6.03E-02	8.60E-02

CTD-2196E14.3	-1.40	6.03E-02	8.60E-02
SYT10	-2.37	6.03E-02	8.61E-02
GFPT1	-0.28	6.03E-02	8.61E-02
CENPN	-0.37	6.03E-02	8.61E-02
PCDHB7	0.80	6.03E-02	8.61E-02
COQ3	0.33	6.04E-02	8.61E-02
LRCOL1	2.22	6.04E-02	8.61E-02
RP11-435B5.4	0.74	6.04E-02	8.62E-02
MIR3177	-2.53	6.04E-02	8.62E-02
PLPP2	-0.51	6.04E-02	8.62E-02
RP11-374M1.9	-2.44	6.05E-02	8.63E-02
RP4-592A1.2	-1.06	6.05E-02	8.63E-02
EGR3	-0.39	6.06E-02	8.64E-02
RNU6-388P	-1.91	6.06E-02	8.64E-02
LA16c-425C2.1	-1.60	6.06E-02	8.64E-02
RP11-756P10.3	-1.04	6.06E-02	8.64E-02
SYNPO2L	1.09	6.06E-02	8.64E-02
HCP5B	-2.31	6.06E-02	8.65E-02
GAP43	1.11	6.07E-02	8.65E-02
TRAFD1	0.24	6.07E-02	8.65E-02
RNF24	-0.32	6.07E-02	8.65E-02
RP11-96O20.5	-2.01	6.07E-02	8.66E-02
GNAQ	0.30	6.08E-02	8.66E-02
RP11-479O9.3	-1.19	6.08E-02	8.66E-02
XLOC_014268	-1.95	6.08E-02	8.67E-02
MIR148B	-2.31	6.09E-02	8.67E-02
CTA-989H11.1	-0.94	6.09E-02	8.67E-02
OR2A42	-2.62	6.09E-02	8.67E-02
RP11-661A12.8	-1.54	6.09E-02	8.68E-02
C15orf57	-0.43	6.10E-02	8.69E-02
MIR5587	-2.50	6.10E-02	8.69E-02
G43247	1.69	6.10E-02	8.69E-02
KLF11	0.27	6.10E-02	8.70E-02
RP11-874G11.1	-2.33	6.10E-02	8.70E-02
MIR760	-2.80	6.10E-02	8.70E-02
ANXA4	0.22	6.11E-02	8.71E-02
SIRPB3P	-2.66	6.11E-02	8.71E-02
SCGB3A1	2.12	6.12E-02	8.71E-02
PARN	0.17	6.12E-02	8.71E-02
RP11-72I2.2	-2.48	6.13E-02	8.72E-02
XLOC_007998	-1.91	6.13E-02	8.73E-02
AC007271.3	-2.22	6.13E-02	8.74E-02
KATNA1	0.17	6.13E-02	8.74E-02
ZNF582-AS1	0.88	6.14E-02	8.74E-02
CD164	-0.23	6.14E-02	8.74E-02

DAG1	-0.23	6.15E-02	8.75E-02
NME5	0.90	6.15E-02	8.76E-02
RP11-182J23.1	-1.98	6.15E-02	8.76E-02
EHBP1	-0.28	6.16E-02	8.76E-02
RPS3AP3	-1.89	6.16E-02	8.78E-02
PPP1R1C	0.79	6.16E-02	8.78E-02
SEC31B	-0.76	6.17E-02	8.78E-02
RN7SL347P	-2.27	6.17E-02	8.78E-02
RN7SKP243	-2.36	6.17E-02	8.78E-02
RP11-768G7.1	-2.61	6.18E-02	8.79E-02
DUSP16	-0.34	6.18E-02	8.79E-02
XLOC_001200	-0.79	6.18E-02	8.80E-02
G7468	2.00	6.19E-02	8.81E-02
CTC-471F3.5	-0.72	6.19E-02	8.81E-02
AC104532.4	-1.32	6.19E-02	8.81E-02
XLOC_010336	-0.77	6.19E-02	8.81E-02
SNX18P12	-2.86	6.19E-02	8.81E-02
SUB1P4	-2.11	6.19E-02	8.81E-02
NXF3	2.08	6.19E-02	8.81E-02
HMGB1P5	0.52	6.20E-02	8.81E-02
RP11-461G12.2	-2.60	6.20E-02	8.82E-02
CEACAM7	0.88	6.20E-02	8.82E-02
RP11-236F9.2	-1.77	6.21E-02	8.83E-02
RP11-267M23.6	-2.21	6.21E-02	8.83E-02
CTD-2332E11.2	-2.59	6.21E-02	8.84E-02
CCDC79	-1.45	6.21E-02	8.84E-02
C4orf47	0.78	6.21E-02	8.84E-02
LINC00999	-2.19	6.22E-02	8.85E-02
G22271	-0.80	6.22E-02	8.85E-02
G10272	-0.64	6.23E-02	8.85E-02
OR7E15P	-2.87	6.23E-02	8.86E-02
XLOC_010693	-1.75	6.23E-02	8.86E-02
OLFM5P	-1.46	6.23E-02	8.86E-02
SLC22A4	0.65	6.23E-02	8.86E-02
IL18RAP	1.07	6.24E-02	8.87E-02
AL049542.1	-2.29	6.24E-02	8.87E-02
CSPG4P9	-1.32	6.25E-02	8.88E-02
LINGO1-AS1	-3.26	6.25E-02	8.88E-02
RNU6-1099P	-1.58	6.25E-02	8.88E-02
FAM60A	-0.26	6.25E-02	8.89E-02
XLOC_012115	-2.52	6.25E-02	8.89E-02
OTOA	1.99	6.25E-02	8.89E-02
CCDC112	0.30	6.25E-02	8.89E-02
XLOC_009607	-1.48	6.26E-02	8.90E-02
AP001062.7	-0.57	6.26E-02	8.90E-02

Gene	Value	P1	P2
C22orf15	-1.54	6.26E-02	8.90E-02
SPNS3	0.87	6.27E-02	8.91E-02
RNU6-589P	-3.08	6.27E-02	8.91E-02
HMGB1P41	-1.28	6.28E-02	8.92E-02
RP1-95L4.4	0.57	6.28E-02	8.92E-02
RP11-142L1.1	-1.44	6.28E-02	8.93E-02
CTD-2078B5.2	1.89	6.29E-02	8.93E-02
CXorf21	0.72	6.29E-02	8.93E-02
XLOC_008986	-1.19	6.29E-02	8.93E-02
ADGRG4	-1.71	6.29E-02	8.93E-02
MTCYBP21	-1.40	6.29E-02	8.93E-02
ERAP2	-1.12	6.29E-02	8.94E-02
RP11-295D4.7	-2.01	6.29E-02	8.94E-02
RP11-211A18.2	-1.50	6.29E-02	8.94E-02
RP11-96D1.6	0.75	6.30E-02	8.95E-02
PPARGC1A	-0.69	6.30E-02	8.95E-02
LRRC10B	1.47	6.31E-02	8.96E-02
RP11-359D14.2	-1.64	6.31E-02	8.96E-02
FAM35DP	0.55	6.31E-02	8.96E-02
SUMO2P18	-2.66	6.31E-02	8.96E-02
FRRS1L	-1.70	6.31E-02	8.96E-02
CTD-2318O12.1	-1.37	6.31E-02	8.96E-02
G25097	-2.21	6.31E-02	8.96E-02
M6PR	0.22	6.32E-02	8.98E-02
OR2A1	-1.96	6.33E-02	8.98E-02
RP11-353N14.7	-2.09	6.33E-02	8.98E-02
CHAF1B	0.35	6.33E-02	8.99E-02
CNTD1	-0.94	6.33E-02	8.99E-02
G24578	3.77	6.33E-02	8.99E-02
ASTN1	-1.29	6.34E-02	9.00E-02
CLSTN3	0.78	6.35E-02	9.01E-02
FAM25G	-1.95	6.35E-02	9.01E-02
RP11-646E18.2	-1.34	6.35E-02	9.01E-02
KLF3-AS1	-0.57	6.35E-02	9.01E-02
HSP90AA2P	-1.63	6.36E-02	9.02E-02
TPX2	0.39	6.36E-02	9.02E-02
AC010525.2	-2.85	6.36E-02	9.02E-02
RPS4XP16	-0.78	6.37E-02	9.03E-02
SELT	-0.30	6.37E-02	9.04E-02
RP11-230C9.4	-1.76	6.37E-02	9.04E-02
CEP41	0.36	6.39E-02	9.07E-02
DCHS1	0.64	6.40E-02	9.07E-02
RP11-359M6.2	1.91	6.40E-02	9.08E-02
RP11-211N8.6	-2.73	6.40E-02	9.08E-02
PNMAL1	0.90	6.40E-02	9.08E-02

UBE4B	-0.21	6.41E-02	9.08E-02
TPTE2P3	-2.63	6.41E-02	9.09E-02
CS	0.23	6.41E-02	9.09E-02
EXOSC2	-0.20	6.41E-02	9.09E-02
RP11-1000B6.5	-0.75	6.42E-02	9.10E-02
G22194	-1.33	6.42E-02	9.10E-02
AC018804.1	-2.45	6.42E-02	9.10E-02
FRA10AC1	0.26	6.42E-02	9.11E-02
RP11-830F9.7	-1.84	6.43E-02	9.11E-02
RP4-633I8.3	-1.55	6.43E-02	9.11E-02
AC007238.1	-1.19	6.43E-02	9.11E-02
FOXL2	1.68	6.43E-02	9.11E-02
LSM5	-0.27	6.43E-02	9.11E-02
OR7E116P	1.76	6.43E-02	9.12E-02
HLA-Z	-2.38	6.44E-02	9.12E-02
PAICS	-0.22	6.44E-02	9.12E-02
RP11-401P9.5	1.00	6.44E-02	9.12E-02
RP1-292B18.3	-2.27	6.45E-02	9.14E-02
RNU6-877P	1.70	6.46E-02	9.15E-02
AC010525.4	1.82	6.46E-02	9.15E-02
RP11-329B9.4	1.31	6.46E-02	9.15E-02
RP11-616M22.12	-2.58	6.46E-02	9.15E-02
ASAH2B	-0.36	6.46E-02	9.15E-02
AC074366.3	-2.17	6.46E-02	9.16E-02
FBLN2	0.79	6.47E-02	9.16E-02
C11orf1	-0.36	6.47E-02	9.16E-02
RN7SL833P	-2.73	6.47E-02	9.16E-02
RP3-437C15.1	-2.25	6.47E-02	9.16E-02
XAF1	0.72	6.47E-02	9.16E-02
RP11-346J10.1	-2.08	6.47E-02	9.17E-02
MPP3	0.58	6.48E-02	9.17E-02
MIR548AC	-1.99	6.48E-02	9.17E-02
IGLV2-14	-2.88	6.48E-02	9.18E-02
RP11-204L24.2	-1.47	6.48E-02	9.18E-02
VTA1P1	-1.88	6.49E-02	9.18E-02
IDI2-AS1	-1.58	6.49E-02	9.18E-02
PCDHGA2	-0.52	6.49E-02	9.19E-02
NOVA1	-0.78	6.49E-02	9.19E-02
RP11-789C1.2	-3.02	6.49E-02	9.19E-02
RP11-347I19.7	-1.58	6.50E-02	9.19E-02
RP11-67C2.2	-1.65	6.50E-02	9.21E-02
CTD-2329K10.1	-1.08	6.51E-02	9.22E-02
CCDC105	-2.37	6.51E-02	9.22E-02
PTRH1	-1.04	6.51E-02	9.22E-02
MIR4767	1.84	6.52E-02	9.22E-02

Gene	Value	p-value	q-value
CA2	0.66	6.52E-02	9.22E-02
IL34	-0.40	6.53E-02	9.24E-02
ITPR1	0.54	6.53E-02	9.24E-02
SPDYE16	-1.10	6.53E-02	9.24E-02
G31400	-1.98	6.53E-02	9.24E-02
RP11-44N21.1	-0.76	6.53E-02	9.25E-02
RN7SL753P	-1.75	6.54E-02	9.25E-02
RP11-465K4.4	-2.49	6.54E-02	9.25E-02
AL390776.1	-2.67	6.55E-02	9.26E-02
C16orf95	0.94	6.56E-02	9.28E-02
AP5B1	-0.31	6.56E-02	9.28E-02
MIR574	-2.37	6.57E-02	9.29E-02
LINC01160	-1.53	6.57E-02	9.29E-02
MIR4296	-2.78	6.57E-02	9.29E-02
RP11-328J14.1	-2.27	6.57E-02	9.29E-02
RP1-317E23.3	-0.68	6.57E-02	9.30E-02
IL18R1	-0.37	6.57E-02	9.30E-02
MMS19	-0.16	6.58E-02	9.30E-02
ZCCHC5	2.73	6.58E-02	9.31E-02
RPL24P2	-1.68	6.58E-02	9.31E-02
C9orf152	0.81	6.58E-02	9.31E-02
RP11-129G17.2	-2.77	6.59E-02	9.31E-02
GPR158	-1.18	6.59E-02	9.32E-02
TUBA4B	-1.30	6.59E-02	9.32E-02
NOLC1	0.28	6.59E-02	9.32E-02
WBP1	0.60	6.59E-02	9.32E-02
UNC50	-0.18	6.59E-02	9.32E-02
HAUS7	-0.95	6.60E-02	9.32E-02
RP11-111J6.2	-1.12	6.60E-02	9.33E-02
GNRHR	-1.28	6.60E-02	9.33E-02
CTD-3220F14.1	-1.61	6.60E-02	9.33E-02
RP11-452D12.1	1.36	6.60E-02	9.33E-02
GIMAP5	-0.88	6.60E-02	9.33E-02
RP11-153F5.3	-2.56	6.60E-02	9.33E-02
RP11-264J4.10	2.06	6.61E-02	9.33E-02
RPS7P10	-1.05	6.61E-02	9.34E-02
RP11-680F8.3	0.60	6.61E-02	9.34E-02
CTD-3092A11.1	-0.58	6.61E-02	9.34E-02
RPL7P15	-2.85	6.62E-02	9.35E-02
RLN1	-1.46	6.62E-02	9.35E-02
RBM24	0.98	6.62E-02	9.35E-02
RP11-474O21.5	0.89	6.62E-02	9.35E-02
ZCCHC10	-0.29	6.62E-02	9.35E-02
RP11-353N4.6	1.44	6.62E-02	9.36E-02
OR6L2P	-1.32	6.63E-02	9.36E-02

RP11-236L14.2	1.57	6.63E-02	9.36E-02
AC004051.2	-2.12	6.63E-02	9.36E-02
RP11-388C12.1	1.52	6.64E-02	9.37E-02
RP11-148K1.10	-1.82	6.64E-02	9.37E-02
RP11-562A8.5	-1.20	6.65E-02	9.38E-02
RP11-384B12.2	-2.13	6.65E-02	9.39E-02
AC099326.1	-2.42	6.65E-02	9.39E-02
RP4-694B14.8	-1.10	6.65E-02	9.39E-02
RP11-1102P22.3	-1.15	6.65E-02	9.39E-02
RNF212	-0.54	6.65E-02	9.39E-02
SERBP1P5	-0.80	6.65E-02	9.39E-02
RP11-329N15.3	-1.16	6.66E-02	9.40E-02
DAB1-AS1	-2.77	6.66E-02	9.40E-02
RP11-287D1.3	-1.65	6.66E-02	9.41E-02
RP11-885B4.2	-2.02	6.66E-02	9.41E-02
TMEM80	0.38	6.67E-02	9.41E-02
RP11-304L19.3	-1.19	6.67E-02	9.41E-02
C6orf201	-1.21	6.67E-02	9.42E-02
RP11-70P17.1	-1.09	6.67E-02	9.42E-02
PIR	0.43	6.67E-02	9.42E-02
MIR4796	-2.71	6.67E-02	9.42E-02
RP11-707O23.5	-4.50	6.68E-02	9.42E-02
CDH1	-0.28	6.68E-02	9.42E-02
RP11-452H21.2	-1.96	6.68E-02	9.43E-02
NLRP6	1.18	6.68E-02	9.43E-02
BCAP31P1	2.03	6.69E-02	9.43E-02
NUP54	-0.24	6.69E-02	9.43E-02
APTX	0.16	6.69E-02	9.43E-02
SRPRB	0.27	6.69E-02	9.43E-02
TTLL13P	-2.35	6.69E-02	9.44E-02
RP11-386J22.3	-0.90	6.69E-02	9.44E-02
PPP3CA	-0.25	6.71E-02	9.46E-02
XXbac-BPG27H4.8	1.04	6.71E-02	9.46E-02
AF064860.7	1.56	6.71E-02	9.47E-02
LINC00632	-0.77	6.71E-02	9.47E-02
FAM87A	0.75	6.72E-02	9.47E-02
AC009831.1	-2.74	6.72E-02	9.47E-02
RP11-320N21.1	-0.81	6.72E-02	9.48E-02
GTDC1	0.24	6.72E-02	9.48E-02
STRA8	-1.86	6.72E-02	9.48E-02
HSPD1P6	1.40	6.73E-02	9.48E-02
ZG16B	0.80	6.73E-02	9.48E-02
SH3TC2	-0.52	6.73E-02	9.48E-02
AC107983.4	1.46	6.73E-02	9.49E-02
CMP21-97G8.1	-1.68	6.73E-02	9.49E-02

AP1AR	-0.28	6.73E-02	9.49E-02
TUBA8	-1.57	6.74E-02	9.49E-02
NUDCD2	0.20	6.74E-02	9.50E-02
SIGLEC18P	-2.74	6.74E-02	9.50E-02
TPTE2P1	1.15	6.74E-02	9.50E-02
SGCB	0.37	6.74E-02	9.51E-02
RP11-225H22.4	1.54	6.75E-02	9.51E-02
G31401	-1.34	6.75E-02	9.51E-02
SYNE4	-0.74	6.75E-02	9.51E-02
RP11-428O18.6	-1.34	6.75E-02	9.51E-02
BEND7	0.62	6.76E-02	9.52E-02
TMEM69	0.22	6.76E-02	9.53E-02
TEX21P	-1.12	6.76E-02	9.53E-02
IL10	1.56	6.76E-02	9.53E-02
RP11-455I9.1	-1.54	6.76E-02	9.53E-02
RP11-250B2.6	-0.69	6.78E-02	9.55E-02
CLK4	-0.35	6.78E-02	9.55E-02
IER3IP1	-0.37	6.78E-02	9.55E-02
RP11-234B24.2	-1.94	6.78E-02	9.55E-02
RP11-706P11.2	1.36	6.78E-02	9.55E-02
RP11-332H18.7	-1.92	6.79E-02	9.56E-02
CUBNP3	-1.78	6.79E-02	9.56E-02
LINC00958	-0.60	6.79E-02	9.57E-02
MGAT4EP	-2.58	6.80E-02	9.57E-02
AC093822.1	-2.55	6.81E-02	9.58E-02
LA16c-312E8.4	1.57	6.81E-02	9.59E-02
AC006129.2	1.09	6.81E-02	9.59E-02
RP11-417L19.4	1.56	6.81E-02	9.59E-02
TCP10L	-1.22	6.82E-02	9.60E-02
MSTN	-1.10	6.82E-02	9.60E-02
TMEM248	-0.17	6.82E-02	9.60E-02
RP11-747H7.1	-2.86	6.82E-02	9.61E-02
AC016559.1	-1.74	6.83E-02	9.61E-02
CAPN6	1.09	6.83E-02	9.61E-02
VWA8-AS1	-1.27	6.83E-02	9.61E-02
RP11-247I13.3	-1.60	6.83E-02	9.61E-02
KSR1	0.36	6.83E-02	9.61E-02
RP11-553K23.2	-1.70	6.83E-02	9.61E-02
KIF20A	0.53	6.84E-02	9.62E-02
RP13-204A15.5	-2.75	6.84E-02	9.62E-02
C1GALT1C1L	0.74	6.84E-02	9.62E-02
GYPE	0.74	6.84E-02	9.63E-02
XLOC_012747	-1.91	6.84E-02	9.63E-02
RP11-32P22.1	-2.32	6.84E-02	9.63E-02
LRRC3B	-2.21	6.84E-02	9.63E-02

G35671	-1.00	6.84E-02	9.63E-02
AC004017.1	-1.20	6.85E-02	9.63E-02
HSPE1P2	-2.40	6.85E-02	9.64E-02
CTD-2007H13.3	-0.79	6.85E-02	9.64E-02
RP11-385D13.1	-0.96	6.85E-02	9.64E-02
DOK6	0.79	6.86E-02	9.65E-02
POU3F3	-0.66	6.87E-02	9.66E-02
CENPK	-0.47	6.87E-02	9.66E-02
RP11-325I22.3	1.36	6.87E-02	9.66E-02
MCTP2	-0.31	6.88E-02	9.67E-02
RP11-462L8.1	2.67	6.88E-02	9.67E-02
BNIP3P17	-2.51	6.88E-02	9.67E-02
FAM90A20P	-1.65	6.88E-02	9.67E-02
RSPH4A	-0.62	6.88E-02	9.68E-02
AL035706.1	-2.53	6.88E-02	9.68E-02
PHF5A	0.31	6.89E-02	9.68E-02
RP11-162G10.5	-1.04	6.89E-02	9.68E-02
KRTAP10-7	-3.65	6.89E-02	9.69E-02
EMILIN2	0.68	6.89E-02	9.69E-02
HNRNPLP1	1.35	6.90E-02	9.69E-02
SETP11	-2.49	6.90E-02	9.70E-02
RP11-374M1.2	-1.06	6.91E-02	9.71E-02
RNU6-761P	-2.34	6.91E-02	9.71E-02
MTND2P28	3.28	6.91E-02	9.71E-02
SLC23A3	-1.23	6.92E-02	9.72E-02
MIR1254-1	-1.08	6.93E-02	9.73E-02
G35143	-2.21	6.93E-02	9.73E-02
RP11-227L6.1	-1.72	6.93E-02	9.73E-02
C5orf56	-0.61	6.93E-02	9.74E-02
ZSCAN5A	-0.25	6.93E-02	9.74E-02
CLUHP6	-2.68	6.93E-02	9.74E-02
CYP8B1	1.27	6.94E-02	9.74E-02
NPHP1	0.52	6.94E-02	9.75E-02
LINC00205	0.49	6.94E-02	9.75E-02
ACSS2	-0.51	6.94E-02	9.75E-02
MIR4312	-2.43	6.94E-02	9.75E-02
IMMP2L	-0.26	6.95E-02	9.76E-02
SNX2	0.28	6.95E-02	9.76E-02
SH2D6	-2.21	6.95E-02	9.77E-02
RNA5SP372	-2.61	6.96E-02	9.77E-02
RP11-463I20.3	-2.71	6.96E-02	9.78E-02
RP11-304F15.4	-0.93	6.96E-02	9.78E-02
S1PR2	0.30	6.96E-02	9.78E-02
KB-226F1.2	-1.19	6.97E-02	9.78E-02
TMEM252	-1.04	6.97E-02	9.78E-02

RP5-839B4.8	-2.17	6.97E-02	9.79E-02
CTB-52I2.4	-1.19	6.98E-02	9.79E-02
CD22	1.44	6.98E-02	9.80E-02
OPTC	-2.99	6.98E-02	9.80E-02
LCN12	-2.20	6.98E-02	9.80E-02
TPK1	0.56	6.99E-02	9.81E-02
TTC36	-1.20	6.99E-02	9.81E-02
E2F3P1	-2.57	7.00E-02	9.82E-02
XLOC_006941	1.68	7.00E-02	9.82E-02
G2112	-1.24	7.01E-02	9.83E-02
FBXO16	1.14	7.01E-02	9.84E-02
RP11-150C16.1	-0.80	7.01E-02	9.84E-02
RNU6-1294P	-2.37	7.01E-02	9.84E-02
RARG	-0.27	7.02E-02	9.85E-02
ARSH	1.33	7.02E-02	9.86E-02
CLDN11	-0.80	7.03E-02	9.87E-02
TM7SF2	0.41	7.03E-02	9.87E-02
GRAMD3	-0.24	7.03E-02	9.87E-02
LRRC28	-0.20	7.03E-02	9.87E-02
RP11-135F9.4	-0.79	7.04E-02	9.87E-02
EIF3F	0.21	7.04E-02	9.87E-02
NBL1	0.28	7.04E-02	9.87E-02
XXYLT1-AS1	-2.26	7.05E-02	9.89E-02
RP11-107F6.3	0.68	7.06E-02	9.90E-02
JAKMIP2	-0.78	7.06E-02	9.90E-02
SAMD13	-0.76	7.07E-02	9.91E-02
GPRIN3	0.54	7.07E-02	9.92E-02
AL022341.3	-1.20	7.08E-02	9.92E-02
USP18	0.69	7.08E-02	9.93E-02
NARS	-0.21	7.08E-02	9.93E-02
RNU6-437P	1.72	7.08E-02	9.93E-02
XLOC_001286	-1.33	7.09E-02	9.94E-02
VTCN1	1.29	7.09E-02	9.94E-02
RRP1B	-0.19	7.09E-02	9.94E-02
CDR1	-1.91	7.10E-02	9.95E-02
CTA-345G4.1	-2.79	7.10E-02	9.95E-02
CYP2B6	-3.47	7.10E-02	9.95E-02
RP11-108K14.12	-1.10	7.10E-02	9.95E-02
G42176	-1.61	7.10E-02	9.96E-02
RP11-635L1.3	-1.24	7.10E-02	9.96E-02
TMEM196	2.04	7.11E-02	9.96E-02
STRCP1	-0.96	7.11E-02	9.97E-02
BNIP3P30	-2.43	7.12E-02	9.98E-02
ZBTB49	0.31	7.12E-02	9.98E-02
RARS	-0.21	7.12E-02	9.98E-02

EIF2D	0.19	7.13E-02	9.98E-02
CTC-297N7.1	-2.53	7.13E-02	9.99E-02
LINC01347	0.93	7.13E-02	9.99E-02
RP11-533E19.7	-1.50	7.14E-02	1.00E-01
GRM7	-1.37	7.14E-02	1.00E-01
LEXM	-0.69	7.14E-02	1.00E-01
RNU6-1251P	-2.58	7.14E-02	1.00E-01
H3F3AP1	-2.57	7.15E-02	1.00E-01
XXbac-BPG299F13.17	0.90	7.15E-02	1.00E-01
MIR652	-2.64	7.15E-02	1.00E-01
RP11-478B9.2	-2.40	7.16E-02	1.00E-01
G28013	-2.49	7.16E-02	1.00E-01
RP13-131K19.1	-1.67	7.17E-02	1.00E-01
P4HA2-AS1	-1.64	7.18E-02	1.01E-01
PQLC2L	0.69	7.18E-02	1.01E-01
FTLP3	1.28	7.19E-02	1.01E-01
NUP93	-0.21	7.19E-02	1.01E-01
FMO1	0.99	7.20E-02	1.01E-01
RP11-63G10.2	-1.96	7.20E-02	1.01E-01
G31022	0.67	7.20E-02	1.01E-01
RN7SL119P	-1.47	7.21E-02	1.01E-01
LINC01543	-2.39	7.21E-02	1.01E-01
RP11-117L5.4	-2.20	7.22E-02	1.01E-01
MIR568	-0.74	7.22E-02	1.01E-01
XLOC_013095	2.16	7.22E-02	1.01E-01
PYROXD2	0.68	7.22E-02	1.01E-01
RP11-338K17.5	-0.87	7.22E-02	1.01E-01
FAM66E	-1.93	7.23E-02	1.01E-01
RPL41P2	-0.75	7.23E-02	1.01E-01
FAM87B	-0.82	7.23E-02	1.01E-01
KDF1	0.28	7.23E-02	1.01E-01
RNU6-213P	-2.29	7.24E-02	1.01E-01
RP11-464F9.20	-0.58	7.24E-02	1.01E-01
TEX38	-1.42	7.24E-02	1.01E-01
XLOC_014010	-0.99	7.26E-02	1.02E-01
RMND1	0.18	7.26E-02	1.02E-01
ELMO1	0.48	7.27E-02	1.02E-01
AKR7A2P1	-1.33	7.27E-02	1.02E-01
RP11-665E10.2	-2.68	7.27E-02	1.02E-01
G826	1.10	7.27E-02	1.02E-01
STK38	-0.23	7.28E-02	1.02E-01
XLOC_008719	-2.04	7.28E-02	1.02E-01
RN7SL487P	-2.35	7.28E-02	1.02E-01
OCRL	-0.15	7.28E-02	1.02E-01
PRSS56	-2.33	7.28E-02	1.02E-01

HAMP	1.08	7.29E-02	1.02E-01
GTF2H3	-0.35	7.29E-02	1.02E-01
RP1-63M2.7	-1.41	7.30E-02	1.02E-01
TMEM59	0.25	7.30E-02	1.02E-01
AC002064.4	-0.85	7.30E-02	1.02E-01
AC007228.11	-0.69	7.30E-02	1.02E-01
LAMA2	0.77	7.30E-02	1.02E-01
RP11-680H20.1	-0.99	7.31E-02	1.02E-01
CTD-2293H3.2	-1.40	7.31E-02	1.02E-01
KB-1460A1.2	-1.99	7.31E-02	1.02E-01
ADO	-0.20	7.31E-02	1.02E-01
NKX2-5	5.94	7.31E-02	1.02E-01
RP5-1071N3.1	-1.18	7.31E-02	1.02E-01
NCKAP1L	0.59	7.32E-02	1.02E-01
KRTAP4-9	-4.94	7.33E-02	1.02E-01
TRDN	-1.27	7.33E-02	1.02E-01
TMC3-AS1	-1.64	7.33E-02	1.02E-01
PKP1	0.37	7.33E-02	1.02E-01
RN7SL288P	-2.85	7.33E-02	1.02E-01
AC005702.1	1.06	7.33E-02	1.02E-01
DACT3-AS1	-1.10	7.34E-02	1.02E-01
RP11-466F5.10	-2.44	7.34E-02	1.02E-01
AP000265.1	-2.42	7.34E-02	1.03E-01
RP11-713N11.4	-2.40	7.34E-02	1.03E-01
C16orf89	1.34	7.35E-02	1.03E-01
GTPBP1	0.20	7.35E-02	1.03E-01
RNU6-516P	1.31	7.36E-02	1.03E-01
RP11-798G7.5	-1.26	7.36E-02	1.03E-01
C1GALT1C1	0.32	7.36E-02	1.03E-01
HOXA1	-0.38	7.36E-02	1.03E-01
RNA5SP317	-1.15	7.37E-02	1.03E-01
CA8	0.66	7.37E-02	1.03E-01
RP11-59D5__B.2	1.62	7.38E-02	1.03E-01
NFIX	0.37	7.38E-02	1.03E-01
GDF6	1.31	7.39E-02	1.03E-01
AADACL4	-2.40	7.39E-02	1.03E-01
POSTN	0.93	7.39E-02	1.03E-01
PTEN	-0.21	7.40E-02	1.03E-01
SLFNL1-AS1	-0.82	7.40E-02	1.03E-01
CLDN10-AS1	1.99	7.40E-02	1.03E-01
API5	-0.23	7.41E-02	1.03E-01
RP11-173P15.10	-1.40	7.42E-02	1.04E-01
RP13-415G19.2	-0.92	7.42E-02	1.04E-01
RP11-274B21.5	-1.67	7.42E-02	1.04E-01
C2orf71	-0.60	7.42E-02	1.04E-01

RP11-119F7.5	-0.71	7.42E-02	1.04E-01
CCDC36	0.68	7.42E-02	1.04E-01
BMS1P11	1.59	7.42E-02	1.04E-01
AF064858.10	-1.83	7.43E-02	1.04E-01
CYP4F35P	3.28	7.43E-02	1.04E-01
WDR86-AS1	1.68	7.43E-02	1.04E-01
ZNF295-AS1	-1.33	7.44E-02	1.04E-01
PCAT1	-0.63	7.44E-02	1.04E-01
RP1-34B20.21	-1.15	7.44E-02	1.04E-01
AC007292.6	-1.29	7.44E-02	1.04E-01
AIMP1	0.26	7.44E-02	1.04E-01
RP11-671J11.5	-1.68	7.45E-02	1.04E-01
MCF2L	-0.29	7.45E-02	1.04E-01
XLOC_005371	-2.52	7.46E-02	1.04E-01
KCNG2	0.83	7.46E-02	1.04E-01
RP11-266K22.2	-2.19	7.46E-02	1.04E-01
RNU11-6P	-2.27	7.46E-02	1.04E-01
RN7SKP180	-1.86	7.47E-02	1.04E-01
TMEM128	-0.23	7.47E-02	1.04E-01
LINC00471	-0.70	7.47E-02	1.04E-01
VIM-AS1	0.77	7.48E-02	1.04E-01
KIFC2	0.76	7.48E-02	1.04E-01
ITGA8	-0.61	7.48E-02	1.04E-01
HIF1A-AS2	-0.74	7.48E-02	1.04E-01
EXO5	0.42	7.48E-02	1.04E-01
OARD1	0.23	7.48E-02	1.04E-01
RHEBL1	-0.49	7.48E-02	1.04E-01
S100A5	-0.90	7.48E-02	1.04E-01
PRKAR1AP	-2.52	7.48E-02	1.04E-01
XLOC_009740	-1.12	7.49E-02	1.04E-01
RP1-102G20.5	-1.49	7.49E-02	1.04E-01
CTB-131K11.1	-0.21	7.49E-02	1.04E-01
RP1-149A16.16	-1.18	7.50E-02	1.04E-01
ZFP37	-0.47	7.50E-02	1.04E-01
AC087650.1	-3.84	7.51E-02	1.05E-01
AF186192.5	1.09	7.51E-02	1.05E-01
RP11-1084A12.1	-1.16	7.51E-02	1.05E-01
RP11-1084J3.1	-2.47	7.52E-02	1.05E-01
BIRC3	0.68	7.52E-02	1.05E-01
PRR25	-1.75	7.52E-02	1.05E-01
MYZAP	0.41	7.53E-02	1.05E-01
RLN2	-1.17	7.54E-02	1.05E-01
MIR4512	-2.32	7.55E-02	1.05E-01
MNX1	1.30	7.55E-02	1.05E-01
RP11-713P17.4	-1.53	7.55E-02	1.05E-01

AC007228.9	-0.76	7.56E-02	1.05E-01
RNF126P1	-1.90	7.56E-02	1.05E-01
MST1R	0.34	7.56E-02	1.05E-01
YLPM1	-0.22	7.56E-02	1.05E-01
SLFN13	0.55	7.57E-02	1.05E-01
CEP83-AS1	0.99	7.57E-02	1.05E-01
LYZ	0.88	7.57E-02	1.05E-01
RP13-228J13.1	-1.11	7.57E-02	1.05E-01
RP5-867C24.1	0.96	7.58E-02	1.06E-01
KB-1836B5.1	-0.90	7.58E-02	1.06E-01
ANXA3	0.72	7.60E-02	1.06E-01
SDHAF4	0.36	7.60E-02	1.06E-01
RP11-345J4.5	-2.16	7.60E-02	1.06E-01
RP11-792A8.1	-1.73	7.60E-02	1.06E-01
XLOC_000986	-2.11	7.60E-02	1.06E-01
LINC01144	0.51	7.61E-02	1.06E-01
RP11-212I21.2	1.52	7.61E-02	1.06E-01
RUNX1T1	0.64	7.61E-02	1.06E-01
SLC47A2	0.79	7.61E-02	1.06E-01
H3F3C	-1.56	7.62E-02	1.06E-01
METTL22	0.31	7.62E-02	1.06E-01
RP11-216M21.1	1.36	7.62E-02	1.06E-01
SV2B	-0.85	7.62E-02	1.06E-01
RP11-307C19.1	-1.79	7.63E-02	1.06E-01
RP11-94A24.1	1.42	7.63E-02	1.06E-01
PPP2R5E	-0.21	7.63E-02	1.06E-01
RP11-46C24.7	0.37	7.64E-02	1.06E-01
FUT11	0.36	7.64E-02	1.06E-01
RP4-806M20.3	-2.26	7.64E-02	1.06E-01
RPL12P38	-1.38	7.64E-02	1.06E-01
RP11-669M16.1	-1.21	7.65E-02	1.06E-01
RN7SL821P	-2.15	7.65E-02	1.06E-01
RLTPR	0.72	7.65E-02	1.06E-01
A2M-AS1	0.69	7.66E-02	1.07E-01
RP11-43N16.4	0.80	7.66E-02	1.07E-01
THAP5P1	-1.97	7.66E-02	1.07E-01
RP11-428F8.2	-2.31	7.67E-02	1.07E-01
FTH1P16	-1.33	7.67E-02	1.07E-01
RP11-165A20.3	-1.67	7.67E-02	1.07E-01
RP11-20G13.1	0.60	7.67E-02	1.07E-01
METTL15	-0.21	7.67E-02	1.07E-01
AC011363.1	-2.50	7.67E-02	1.07E-01
G36839	-0.75	7.68E-02	1.07E-01
XLOC_014129	1.33	7.69E-02	1.07E-01
LA16c-321D4.2	-1.26	7.69E-02	1.07E-01

DNASE1	-0.54	7.69E-02	1.07E-01
RXFP4	-2.05	7.70E-02	1.07E-01
ZNF213-AS1	-0.46	7.70E-02	1.07E-01
SCN8A	-0.67	7.70E-02	1.07E-01
RP1-29C18.10	-2.33	7.70E-02	1.07E-01
AP000344.3	-0.93	7.70E-02	1.07E-01
TCTEX1D2	-0.66	7.70E-02	1.07E-01
SLA2	-0.70	7.70E-02	1.07E-01
XLOC_011150	-1.42	7.71E-02	1.07E-01
GRHL3	0.36	7.71E-02	1.07E-01
GRPEL2-AS1	-2.36	7.71E-02	1.07E-01
OAZ3	0.71	7.72E-02	1.07E-01
RNU7-171P	-1.93	7.72E-02	1.07E-01
CTD-2325P2.4	-1.02	7.73E-02	1.07E-01
RNU6-882P	-1.08	7.73E-02	1.07E-01
RP11-64C12.1	-1.50	7.73E-02	1.07E-01
MIR548L	-2.32	7.73E-02	1.07E-01
HMGN2P15	1.04	7.74E-02	1.07E-01
UQCC3	0.28	7.74E-02	1.07E-01
CTD-2525P14.5	-0.88	7.74E-02	1.07E-01
AC004510.3	-2.24	7.74E-02	1.08E-01
LCE6A	0.68	7.75E-02	1.08E-01
LSS	0.29	7.75E-02	1.08E-01
TUBGCP3	-0.19	7.75E-02	1.08E-01
RP11-259O2.3	-1.39	7.75E-02	1.08E-01
PARP4P1	-2.17	7.75E-02	1.08E-01
MPP4	-0.92	7.76E-02	1.08E-01
PSMG1	0.29	7.76E-02	1.08E-01
G19262	2.21	7.76E-02	1.08E-01
SNORD113-1	-3.39	7.76E-02	1.08E-01
FCGR2C	-0.81	7.77E-02	1.08E-01
RP11-930O11.1	-1.48	7.77E-02	1.08E-01
RP11-44N12.5	-1.10	7.77E-02	1.08E-01
CFH	-0.71	7.77E-02	1.08E-01
PDCD10	-0.26	7.78E-02	1.08E-01
HSPE1P3	-1.75	7.79E-02	1.08E-01
MARCO	0.86	7.80E-02	1.08E-01
G14986	-1.44	7.80E-02	1.08E-01
MYLK	0.59	7.80E-02	1.08E-01
RP1-90J20.8	-1.77	7.80E-02	1.08E-01
CYS1	0.66	7.80E-02	1.08E-01
RP11-359I18.5	1.21	7.80E-02	1.08E-01
CDIPT-AS1	1.59	7.80E-02	1.08E-01
IKZF1	-0.59	7.80E-02	1.08E-01
ATP1B3	0.28	7.81E-02	1.08E-01

G41823	-0.47	7.82E-02	1.08E-01
RP11-567O16.1	-2.41	7.82E-02	1.08E-01
PEX11A	-0.47	7.82E-02	1.08E-01
TRIM9	-0.58	7.82E-02	1.09E-01
RP11-20I23.2	-0.78	7.82E-02	1.09E-01
DLG5-AS1	-0.39	7.83E-02	1.09E-01
STK3	-0.18	7.83E-02	1.09E-01
RP11-195E2.1	-2.01	7.83E-02	1.09E-01
LINC00863	0.46	7.83E-02	1.09E-01
PIGV	0.22	7.83E-02	1.09E-01
AC009228.1	-2.09	7.83E-02	1.09E-01
ASUN	0.25	7.84E-02	1.09E-01
DPYSL2	-0.40	7.84E-02	1.09E-01
RP1-93H18.1	-0.42	7.84E-02	1.09E-01
MRPS27	-0.19	7.85E-02	1.09E-01
G43605	2.14	7.85E-02	1.09E-01
KRTAP2-2	-4.32	7.85E-02	1.09E-01
LIMS1-AS1	-0.98	7.86E-02	1.09E-01
RP3-322G13.7	-1.24	7.87E-02	1.09E-01
RPL12P35	-1.71	7.88E-02	1.09E-01
IQCC	-0.30	7.88E-02	1.09E-01
HNMT	0.50	7.89E-02	1.09E-01
KANSL1	-0.29	7.89E-02	1.09E-01
RP11-471B22.2	-0.69	7.90E-02	1.10E-01
RP1-159A19.4	-1.30	7.91E-02	1.10E-01
PHF20	0.17	7.91E-02	1.10E-01
RN7SL230P	-1.62	7.91E-02	1.10E-01
RP11-356K23.2	-1.40	7.91E-02	1.10E-01
CDX4	-0.94	7.91E-02	1.10E-01
RAG1	0.58	7.91E-02	1.10E-01
G14548	0.98	7.92E-02	1.10E-01
FAM157C	-1.17	7.92E-02	1.10E-01
RP5-844F9.1	-1.71	7.93E-02	1.10E-01
CTD-2215L10.1	-2.13	7.93E-02	1.10E-01
USH1G	0.56	7.93E-02	1.10E-01
LINC01579	1.35	7.93E-02	1.10E-01
MUC19	-2.06	7.93E-02	1.10E-01
NAT8	-2.28	7.93E-02	1.10E-01
BRI3BPP1	-1.76	7.93E-02	1.10E-01
RNU6-742P	-2.36	7.93E-02	1.10E-01
RP11-981G7.3	-2.06	7.94E-02	1.10E-01
HEXDC-IT1	1.09	7.94E-02	1.10E-01
SMIM14	0.31	7.94E-02	1.10E-01
RP11-74C13.3	-2.30	7.94E-02	1.10E-01
AC098820.3	-1.13	7.94E-02	1.10E-01

MRGPRF-AS1	1.47	7.94E-02	1.10E-01
KIF9-AS1	0.56	7.95E-02	1.10E-01
RP11-526I2.5	-0.88	7.97E-02	1.10E-01
B3GLCT	0.34	7.97E-02	1.10E-01
G18316	1.08	7.97E-02	1.10E-01
ARHGEF9	-0.19	7.99E-02	1.11E-01
CLEC4F	-1.18	7.99E-02	1.11E-01
FOSL1P1	-2.39	7.99E-02	1.11E-01
DUSP3	0.16	7.99E-02	1.11E-01
RP11-617F23.2	-0.73	8.00E-02	1.11E-01
G26976	-1.48	8.00E-02	1.11E-01
RNU6-623P	-2.32	8.00E-02	1.11E-01
PIK3CD-AS1	-1.69	8.01E-02	1.11E-01
LINC00092	0.78	8.01E-02	1.11E-01
DNAJC10	-0.25	8.02E-02	1.11E-01
HRAT92	-0.97	8.02E-02	1.11E-01
TBC1D20	0.16	8.02E-02	1.11E-01
GDF10	1.10	8.02E-02	1.11E-01
CNTN4-AS2	-1.93	8.03E-02	1.11E-01
XLOC_004107	1.14	8.04E-02	1.11E-01
LINC01625	-0.70	8.04E-02	1.11E-01
PPP1R3E	-0.37	8.04E-02	1.11E-01
ZBTB12P1	-1.21	8.04E-02	1.11E-01
AC007365.1	-1.33	8.04E-02	1.11E-01
SLC5A12	1.90	8.05E-02	1.11E-01
FBXO18	0.14	8.05E-02	1.11E-01
G33524	-1.53	8.05E-02	1.11E-01
PUS10	-0.26	8.06E-02	1.11E-01
LINC00884	0.98	8.06E-02	1.11E-01
AC004988.1	1.60	8.07E-02	1.12E-01
KB-1458E12.1	-2.10	8.07E-02	1.12E-01
ADAMTSL1	0.98	8.08E-02	1.12E-01
RP5-906C1.1	-1.34	8.08E-02	1.12E-01
TGM3	0.50	8.09E-02	1.12E-01
KRT8P39	-0.69	8.09E-02	1.12E-01
TMSB15A	1.49	8.10E-02	1.12E-01
USP22	-0.14	8.10E-02	1.12E-01
SNRPGP15	-0.74	8.11E-02	1.12E-01
GABPB1-AS1	-0.60	8.11E-02	1.12E-01
GPR55	-0.93	8.11E-02	1.12E-01
RPS8	0.29	8.11E-02	1.12E-01
XLOC_007805	-2.10	8.11E-02	1.12E-01
LINC00543	2.18	8.12E-02	1.12E-01
RP11-171I2.3	-1.82	8.12E-02	1.12E-01
FAUP1	-1.14	8.12E-02	1.12E-01

SKA3	-0.35	8.12E-02	1.12E-01
DCDC2	1.23	8.13E-02	1.12E-01
PANK2	0.16	8.13E-02	1.12E-01
RP11-1334A24.6	1.47	8.15E-02	1.13E-01
TMEM60	0.27	8.15E-02	1.13E-01
ZDHHC3	-0.19	8.15E-02	1.13E-01
DUSP4	0.55	8.17E-02	1.13E-01
C22orf39	-0.23	8.17E-02	1.13E-01
EFTUD1P1	-2.37	8.17E-02	1.13E-01
TEKT2	1.23	8.18E-02	1.13E-01
EGLN3	0.41	8.18E-02	1.13E-01
SPATS2	0.24	8.20E-02	1.13E-01
PTPRF	0.30	8.20E-02	1.13E-01
PRKG1-AS1	-1.77	8.21E-02	1.13E-01
IL1RN	-0.30	8.21E-02	1.13E-01
ONECUT2	-1.79	8.22E-02	1.13E-01
IL23A	0.81	8.22E-02	1.14E-01
RPL23AP92	-2.51	8.24E-02	1.14E-01
LINC00675	-0.68	8.24E-02	1.14E-01
IFIT1	0.64	8.25E-02	1.14E-01
ZNF788	-0.51	8.25E-02	1.14E-01
CWC15	0.24	8.26E-02	1.14E-01
ZNF597	-0.27	8.26E-02	1.14E-01
RP11-141C7.5	-1.29	8.26E-02	1.14E-01
RWDD2B	0.31	8.26E-02	1.14E-01
CTB-111F10.1	-2.87	8.26E-02	1.14E-01
RP11-57C19.6	1.42	8.26E-02	1.14E-01
DIAPH3	-0.40	8.27E-02	1.14E-01
RP11-782C8.7	-2.58	8.27E-02	1.14E-01
LINC00957	0.45	8.28E-02	1.14E-01
FLJ20306	-0.79	8.28E-02	1.14E-01
C8orf74	0.54	8.29E-02	1.14E-01
CLINT1	-0.19	8.29E-02	1.14E-01
CTD-3214H19.6	-0.98	8.29E-02	1.14E-01
DTX4	-0.60	8.29E-02	1.14E-01
MZT1	-0.38	8.29E-02	1.14E-01
EIF3H	0.24	8.30E-02	1.14E-01
RAB43P1	1.16	8.30E-02	1.14E-01
RP11-3D4.3	-0.79	8.30E-02	1.15E-01
ZNF804A	1.18	8.30E-02	1.15E-01
RP11-349F21.5	-2.41	8.31E-02	1.15E-01
RAD51-AS1	-0.51	8.31E-02	1.15E-01
TEX41	-0.70	8.31E-02	1.15E-01
CTC-340I23.2	-2.76	8.32E-02	1.15E-01
ZNF3	0.16	8.32E-02	1.15E-01

DTNA	0.51	8.33E-02	1.15E-01
RTKN2	-0.56	8.33E-02	1.15E-01
LRFN2	1.18	8.34E-02	1.15E-01
RRAGB	-0.22	8.34E-02	1.15E-01
RP11-243M5.3	-2.65	8.35E-02	1.15E-01
ARPC3P5	-1.83	8.35E-02	1.15E-01
PRMT6	0.34	8.35E-02	1.15E-01
MSX2	0.40	8.35E-02	1.15E-01
C14orf93	0.22	8.36E-02	1.15E-01
PPP1R14C	-0.34	8.36E-02	1.15E-01
RNU6-1297P	-2.71	8.36E-02	1.15E-01
G37296	0.59	8.36E-02	1.15E-01
KRTAP4-6	-4.10	8.36E-02	1.15E-01
NDUFV3	-0.27	8.37E-02	1.15E-01
RP11-410L14.2	0.62	8.37E-02	1.15E-01
RP11-401F2.3	1.72	8.38E-02	1.15E-01
RP11-156E8.1	-0.80	8.38E-02	1.15E-01
RNF112	0.78	8.38E-02	1.16E-01
ACTBL2	-3.57	8.38E-02	1.16E-01
ILKAP	0.20	8.39E-02	1.16E-01
SLC13A5	-0.92	8.40E-02	1.16E-01
GJB5	-0.35	8.40E-02	1.16E-01
CYP4F26P	-0.70	8.41E-02	1.16E-01
CASC15	0.54	8.41E-02	1.16E-01
ZNF385D	-0.61	8.41E-02	1.16E-01
MGC27382	1.78	8.41E-02	1.16E-01
MYPN	-1.15	8.41E-02	1.16E-01
EIF4A1P2	-1.39	8.42E-02	1.16E-01
AC007405.4	-1.64	8.42E-02	1.16E-01
EXOC5P1	-1.99	8.42E-02	1.16E-01
RP11-1C8.5	-2.29	8.43E-02	1.16E-01
MIR4706	-2.31	8.43E-02	1.16E-01
RPL29P12	-1.40	8.43E-02	1.16E-01
WDR45BP1	-2.25	8.43E-02	1.16E-01
RP11-486L19.2	-0.76	8.44E-02	1.16E-01
RCC2	-0.18	8.44E-02	1.16E-01
NEAT1	-0.92	8.45E-02	1.16E-01
CDK5RAP2	-0.16	8.45E-02	1.16E-01
CRYBB2P1	-0.41	8.45E-02	1.16E-01
GRIA3	0.82	8.46E-02	1.16E-01
RP4-714D9.4	-2.40	8.46E-02	1.17E-01
RP11-867G23.3	-0.91	8.47E-02	1.17E-01
TLX2	-1.35	8.48E-02	1.17E-01
CTC-344H19.4	-2.37	8.48E-02	1.17E-01
CTC-378H22.2	1.56	8.48E-02	1.17E-01

Gene	Value	P1	P2
NFASC	-0.38	8.49E-02	1.17E-01
CTB-66B24.1	-1.61	8.49E-02	1.17E-01
LINC00276	-2.48	8.50E-02	1.17E-01
FUT8-AS1	1.00	8.50E-02	1.17E-01
AK4P4	-1.64	8.50E-02	1.17E-01
SNORD38A	-3.05	8.51E-02	1.17E-01
MICD	-1.80	8.51E-02	1.17E-01
RP11-203F10.6	-1.75	8.51E-02	1.17E-01
RP6-191P20.4	-1.00	8.52E-02	1.17E-01
TPM3P6	-0.70	8.52E-02	1.17E-01
RP1-232P20.1	0.57	8.52E-02	1.17E-01
RP3-428L16.2	0.48	8.52E-02	1.17E-01
C2CD4A	0.87	8.53E-02	1.17E-01
CTD-3020H12.4	-0.98	8.54E-02	1.17E-01
RP11-181G12.2	0.89	8.54E-02	1.17E-01
PCA3	-1.35	8.54E-02	1.17E-01
LRRN1	-0.61	8.55E-02	1.18E-01
RP11-253M7.3	-2.15	8.55E-02	1.18E-01
RP11-855A2.5	-1.61	8.55E-02	1.18E-01
RP11-1260E13.3	-2.17	8.55E-02	1.18E-01
RP1-45C12.1	1.07	8.57E-02	1.18E-01
IL15	0.60	8.57E-02	1.18E-01
CD8BP	-1.28	8.57E-02	1.18E-01
CTB-50L17.14	-1.98	8.58E-02	1.18E-01
AC016739.2	0.98	8.58E-02	1.18E-01
RP11-379F4.9	-1.26	8.58E-02	1.18E-01
AC012146.7	-0.96	8.59E-02	1.18E-01
STEAP3-AS1	0.88	8.59E-02	1.18E-01
TMCC1-AS1	-0.70	8.60E-02	1.18E-01
RP11-667K14.5	-2.12	8.60E-02	1.18E-01
HNRNPH2	0.30	8.61E-02	1.18E-01
RBMS3-AS3	-1.40	8.61E-02	1.18E-01
DDX11	0.57	8.61E-02	1.18E-01
RP11-223A3.1	1.10	8.62E-02	1.18E-01
PCSK7	0.31	8.63E-02	1.19E-01
GTF2F2P1	-2.14	8.63E-02	1.19E-01
TSPAN8	-0.82	8.64E-02	1.19E-01
LZTS1-AS1	-1.92	8.64E-02	1.19E-01
SRSF7	0.28	8.64E-02	1.19E-01
HPS3	-0.19	8.65E-02	1.19E-01
AMD1P3	-2.27	8.66E-02	1.19E-01
AC074117.13	-2.10	8.66E-02	1.19E-01
GUCA1B	0.73	8.66E-02	1.19E-01
AL353662.2	-2.39	8.66E-02	1.19E-01
RP1-99E18.2	-1.72	8.67E-02	1.19E-01

RP13-20L14.6	0.55	8.67E-02	1.19E-01
OR2B8P	-2.66	8.68E-02	1.19E-01
DHRS11	0.29	8.68E-02	1.19E-01
INCENP	0.21	8.68E-02	1.19E-01
ADCY10	-0.83	8.68E-02	1.19E-01
DCTN5	0.16	8.68E-02	1.19E-01
MUC5B	0.98	8.69E-02	1.19E-01
RP3-426I6.6	-1.07	8.69E-02	1.19E-01
WDR20	-0.13	8.69E-02	1.19E-01
G674	1.58	8.70E-02	1.19E-01
MAT2A	-0.43	8.70E-02	1.20E-01
ADSS	-0.23	8.71E-02	1.20E-01
ZMYND12	0.56	8.71E-02	1.20E-01
SCOC-AS1	-0.56	8.71E-02	1.20E-01
RP11-247L20.3	1.75	8.72E-02	1.20E-01
KRTAP9-9	-4.47	8.72E-02	1.20E-01
STAG3L4	-0.37	8.72E-02	1.20E-01
MTND2P26	-2.08	8.72E-02	1.20E-01
PWRN1	-2.61	8.72E-02	1.20E-01
RP11-526I2.1	-1.72	8.73E-02	1.20E-01
RNU6-1231P	-1.71	8.73E-02	1.20E-01
RP11-319E16.1	-2.29	8.73E-02	1.20E-01
RP13-33H18.1	-1.05	8.73E-02	1.20E-01
DBNDD2	-0.60	8.74E-02	1.20E-01
RP11-155O18.6	-1.02	8.74E-02	1.20E-01
IFIT2	0.41	8.74E-02	1.20E-01
RP11-528A10.1	-1.79	8.74E-02	1.20E-01
C5orf58	-1.29	8.75E-02	1.20E-01
AC118138.2	-1.54	8.75E-02	1.20E-01
RP1-149A16.17	-1.19	8.76E-02	1.20E-01
PSD4	-0.28	8.76E-02	1.20E-01
MPHOSPH6	0.29	8.76E-02	1.20E-01
RFFL	0.22	8.76E-02	1.20E-01
AC011551.3	-1.37	8.76E-02	1.20E-01
DDN	1.21	8.77E-02	1.20E-01
RPL13AP7	-1.27	8.78E-02	1.20E-01
RP11-2H3.6	-1.84	8.78E-02	1.20E-01
NECAB1	-0.45	8.78E-02	1.21E-01
CTD-2236F14.1	-2.15	8.79E-02	1.21E-01
DDX19A	0.19	8.79E-02	1.21E-01
TSTD1	-0.34	8.79E-02	1.21E-01
RP11-697N18.3	-0.83	8.79E-02	1.21E-01
RP11-552F3.9	0.76	8.79E-02	1.21E-01
TTC39A	0.35	8.79E-02	1.21E-01
FLJ42969	1.36	8.80E-02	1.21E-01

ANKRD45	1.23	8.80E-02	1.21E-01
AC007277.3	-1.50	8.81E-02	1.21E-01
RP11-89K10.1	-0.89	8.81E-02	1.21E-01
CCDC91	-0.22	8.81E-02	1.21E-01
KRTAP4-4	-3.90	8.82E-02	1.21E-01
RP3-525N10.2	-1.59	8.82E-02	1.21E-01
PIK3CD-AS2	0.83	8.82E-02	1.21E-01
RP11-392P7.6	-0.46	8.82E-02	1.21E-01
KRT78	0.52	8.82E-02	1.21E-01
XLOC_007725	-0.95	8.82E-02	1.21E-01
AC074391.1	1.67	8.83E-02	1.21E-01
ASS1P10	-1.31	8.84E-02	1.21E-01
RPS23P1	-1.74	8.84E-02	1.21E-01
AC005083.1	-0.62	8.84E-02	1.21E-01
AL353626.1	-2.56	8.85E-02	1.21E-01
RTCA-AS1	-0.61	8.86E-02	1.21E-01
TMX1	-0.30	8.86E-02	1.21E-01
XXyac-YX65C7_A.3	-1.99	8.86E-02	1.21E-01
TMEM38B	-0.40	8.86E-02	1.21E-01
PRDM2	0.19	8.87E-02	1.22E-01
KCTD19	-1.00	8.88E-02	1.22E-01
CYB561D1	-0.26	8.88E-02	1.22E-01
RP11-61L19.2	0.68	8.88E-02	1.22E-01
KPNA2	0.37	8.88E-02	1.22E-01
RP11-429P3.5	-1.37	8.89E-02	1.22E-01
MUM1L1	-1.39	8.89E-02	1.22E-01
STAG3L5P-PVRIG2P-PILRB	-2.17	8.89E-02	1.22E-01
MIR200A	-1.38	8.90E-02	1.22E-01
G32522	1.65	8.91E-02	1.22E-01
CDK8	-0.20	8.91E-02	1.22E-01
SPRY4-IT1	1.64	8.92E-02	1.22E-01
SH3GLB2	0.31	8.92E-02	1.22E-01
SATL1	-2.27	8.93E-02	1.22E-01
XLOC_010453	-1.64	8.93E-02	1.22E-01
BCAT1	0.75	8.94E-02	1.22E-01
SLC16A6P1	-1.93	8.94E-02	1.22E-01
ANOS1	-0.44	8.94E-02	1.22E-01
MRPS18C	-0.24	8.94E-02	1.22E-01
RP4-800F24.1	-1.98	8.95E-02	1.22E-01
AC114765.1	-1.81	8.95E-02	1.23E-01
IGHEP2	-1.06	8.96E-02	1.23E-01
CTD-2012J19.2	-1.29	8.96E-02	1.23E-01
LAT	1.22	8.96E-02	1.23E-01
ZNF271P	0.26	8.96E-02	1.23E-01
PLEKHH2	-0.43	8.96E-02	1.23E-01

PSMB8-AS1	0.42	8.97E-02	1.23E-01
RNU6-529P	0.68	8.97E-02	1.23E-01
RP11-753B14.1	-2.60	8.97E-02	1.23E-01
XLOC_007420	-1.95	8.97E-02	1.23E-01
PPP4R1-AS1	-1.15	8.97E-02	1.23E-01
GID8	0.21	8.97E-02	1.23E-01
DDTL	0.61	8.97E-02	1.23E-01
NEIL2	0.27	8.97E-02	1.23E-01
RP11-686D22.10	1.74	8.98E-02	1.23E-01
G4674	1.21	8.99E-02	1.23E-01
NUPL2	0.18	8.99E-02	1.23E-01
AP000253.1	-1.08	9.00E-02	1.23E-01
PROSER2-AS1	-0.87	9.00E-02	1.23E-01
LAX1	-0.83	9.00E-02	1.23E-01
TMCO6	0.30	9.00E-02	1.23E-01
CTC-232P5.1	-0.82	9.00E-02	1.23E-01
RP11-324I22.3	1.53	9.02E-02	1.23E-01
AC073130.1	-1.55	9.02E-02	1.23E-01
ALG8	-0.24	9.02E-02	1.23E-01
HERPUD1	0.22	9.03E-02	1.23E-01
RP6-191P20.3	-2.01	9.03E-02	1.23E-01
G25251	3.52	9.03E-02	1.24E-01
NCR3	1.39	9.04E-02	1.24E-01
RP11-268J15.5	0.85	9.04E-02	1.24E-01
MTFP1	1.04	9.04E-02	1.24E-01
IGKV4-1	1.77	9.06E-02	1.24E-01
CDH23	-0.48	9.06E-02	1.24E-01
AC093627.9	-0.44	9.06E-02	1.24E-01
RP11-182J1.5	-2.36	9.07E-02	1.24E-01
RP3-405J10.4	-1.41	9.07E-02	1.24E-01
P4HTM	0.35	9.09E-02	1.24E-01
AC002398.13	1.50	9.10E-02	1.24E-01
RP11-639E23.1	-1.80	9.10E-02	1.24E-01
AC005229.1	0.40	9.10E-02	1.24E-01
RBM14	0.31	9.11E-02	1.24E-01
IGLV3-21	-2.85	9.12E-02	1.25E-01
AL133493.2	1.32	9.12E-02	1.25E-01
RP11-276H7.3	1.02	9.12E-02	1.25E-01
CDH17	1.20	9.12E-02	1.25E-01
MSL3P1	1.47	9.13E-02	1.25E-01
ITLN2	1.37	9.13E-02	1.25E-01
ARL14	1.84	9.13E-02	1.25E-01
TDRD5	-0.87	9.13E-02	1.25E-01
XXcos-LUCA16.1	-1.26	9.14E-02	1.25E-01
VEZF1	-0.18	9.14E-02	1.25E-01

MIR589	-1.34	9.14E-02	1.25E-01
AC018712.2	-2.34	9.15E-02	1.25E-01
ATP5F1P5	-0.59	9.15E-02	1.25E-01
AC007405.6	0.99	9.15E-02	1.25E-01
ASLP1	1.10	9.16E-02	1.25E-01
AC004691.5	-2.07	9.16E-02	1.25E-01
UBXN2A	-0.19	9.16E-02	1.25E-01
LINC00342	-0.55	9.16E-02	1.25E-01
NR2E1	1.61	9.17E-02	1.25E-01
ZNF18	-0.19	9.17E-02	1.25E-01
AP000432.1	-0.43	9.18E-02	1.25E-01
RP11-814H16.2	-2.41	9.19E-02	1.25E-01
RP11-339B21.10	1.48	9.19E-02	1.25E-01
G15105	-2.05	9.20E-02	1.26E-01
RP11-156P1.3	-0.33	9.20E-02	1.26E-01
RP5-1056L3.3	-0.77	9.20E-02	1.26E-01
GLI4	0.43	9.20E-02	1.26E-01
MOCS3	0.18	9.21E-02	1.26E-01
RP11-57A19.2	-1.82	9.21E-02	1.26E-01
GP1BA	-0.60	9.21E-02	1.26E-01
CRIPT	0.29	9.21E-02	1.26E-01
C6orf223	1.17	9.22E-02	1.26E-01
RP11-368P15.1	-2.68	9.22E-02	1.26E-01
AC007204.1	-2.15	9.22E-02	1.26E-01
UPF3BP3	1.16	9.22E-02	1.26E-01
RP11-168J18.6	-1.55	9.23E-02	1.26E-01
KRTAP4-12	-4.62	9.23E-02	1.26E-01
RP11-624C23.1	-1.96	9.24E-02	1.26E-01
NEXN-AS1	0.93	9.24E-02	1.26E-01
RAB33A	0.87	9.24E-02	1.26E-01
G38698	1.03	9.24E-02	1.26E-01
RP11-288A5.2	-1.62	9.25E-02	1.26E-01
HOOK1	-0.34	9.25E-02	1.26E-01
UBE2N	0.27	9.26E-02	1.26E-01
RP11-88H9.2	0.49	9.26E-02	1.26E-01
RP11-426C22.1	-1.64	9.26E-02	1.26E-01
PRKACB	0.34	9.26E-02	1.26E-01
RP11-110I1.14	-1.35	9.27E-02	1.26E-01
RP11-305L7.1	1.73	9.27E-02	1.26E-01
AC009095.4	-0.76	9.27E-02	1.26E-01
G39662	1.27	9.27E-02	1.26E-01
RP11-111M22.2	-0.64	9.28E-02	1.27E-01
CCL1	-2.58	9.28E-02	1.27E-01
RINL	0.46	9.29E-02	1.27E-01
RNU2-33P	-2.11	9.30E-02	1.27E-01

GSTA1	1.97	9.30E-02	1.27E-01
RP11-203I2.1	-0.92	9.30E-02	1.27E-01
RP11-373N22.3	-1.17	9.31E-02	1.27E-01
RP11-314N13.3	-0.91	9.31E-02	1.27E-01
LA16c-312E8.2	-1.90	9.31E-02	1.27E-01
FKBP1C	1.14	9.31E-02	1.27E-01
FUNDC1	0.30	9.32E-02	1.27E-01
INSL3	1.62	9.32E-02	1.27E-01
MAPRE2	-0.24	9.32E-02	1.27E-01
AC008686.1	-1.40	9.32E-02	1.27E-01
U82695.9	-1.39	9.32E-02	1.27E-01
KERA	1.42	9.32E-02	1.27E-01
AP000351.10	-1.44	9.32E-02	1.27E-01
DYNC1I1	-0.34	9.32E-02	1.27E-01
SEC22A	-0.18	9.33E-02	1.27E-01
HSF4	0.75	9.33E-02	1.27E-01
C9orf106	-0.83	9.33E-02	1.27E-01
RP1-197B17.7	-1.08	9.33E-02	1.27E-01
ZNF19	-0.32	9.34E-02	1.27E-01
DNAH1	-0.53	9.34E-02	1.27E-01
AC008697.1	-1.18	9.35E-02	1.27E-01
G30338	2.18	9.35E-02	1.27E-01
OSTM1	0.28	9.35E-02	1.27E-01
CCDC191	-0.33	9.35E-02	1.27E-01
FAM189A1	1.13	9.36E-02	1.27E-01
AC092159.2	-1.33	9.36E-02	1.27E-01
HCFC1-AS1	-2.23	9.36E-02	1.27E-01
AC004000.1	2.42	9.36E-02	1.27E-01
LA16c-360A4.1	-1.48	9.36E-02	1.28E-01
RPS3AP40	-2.39	9.38E-02	1.28E-01
UTS2	-2.10	9.38E-02	1.28E-01
CTD-3179P9.1	-2.10	9.39E-02	1.28E-01
RPTN	0.60	9.40E-02	1.28E-01
CTD-2184D3.7	-1.31	9.40E-02	1.28E-01
RNU6-272P	-2.32	9.40E-02	1.28E-01
SLC18B1	0.21	9.40E-02	1.28E-01
GJA3	0.70	9.41E-02	1.28E-01
ELOVL5	-1.09	9.41E-02	1.28E-01
G22807	0.73	9.41E-02	1.28E-01
ARL9	0.48	9.41E-02	1.28E-01
C8orf31	1.10	9.41E-02	1.28E-01
RP11-290D2.3	-0.75	9.42E-02	1.28E-01
NEK1	-0.23	9.42E-02	1.28E-01
GOT2P3	-1.47	9.42E-02	1.28E-01
G23125	-0.91	9.42E-02	1.28E-01

CTA-113A6.2	-2.14	9.43E-02	1.28E-01
NAP1L5	0.39	9.43E-02	1.28E-01
CTB-49A3.4	-1.94	9.43E-02	1.28E-01
BCL2L13	-0.19	9.43E-02	1.28E-01
RP11-977B10.2	1.00	9.43E-02	1.28E-01
BPHL	0.23	9.43E-02	1.28E-01
HILS1	-0.86	9.44E-02	1.28E-01
SFTA1P	2.67	9.44E-02	1.28E-01
SUPT4H1	0.22	9.45E-02	1.28E-01
SCNN1D	0.71	9.45E-02	1.29E-01
RPL23AP87	-1.38	9.45E-02	1.29E-01
RP11-425D17.1	-1.28	9.45E-02	1.29E-01
RP11-295H24.5	-1.38	9.45E-02	1.29E-01
CRIP3	-1.30	9.46E-02	1.29E-01
PCBP1-AS1	-0.33	9.46E-02	1.29E-01
TGFBR1	0.32	9.47E-02	1.29E-01
ZNF75A	-0.27	9.47E-02	1.29E-01
AC159540.1	0.76	9.47E-02	1.29E-01
SLC25A5-AS1	-0.42	9.48E-02	1.29E-01
CTD-2529O21.1	-1.63	9.48E-02	1.29E-01
CTAGE15	-1.96	9.49E-02	1.29E-01
XLOC_013995	-1.17	9.49E-02	1.29E-01
SLC22A20	0.76	9.50E-02	1.29E-01
VAV3	-0.35	9.50E-02	1.29E-01
GFI1	0.77	9.50E-02	1.29E-01
SNX9	0.23	9.50E-02	1.29E-01
RP11-295P9.6	-1.75	9.51E-02	1.29E-01
CTD-2307P3.1	-2.16	9.51E-02	1.29E-01
TIAL1	0.21	9.51E-02	1.29E-01
CFP	-0.55	9.52E-02	1.29E-01
GPR149	-1.67	9.52E-02	1.29E-01
BNC2	-0.44	9.52E-02	1.29E-01
RP11-440I14.2	-1.09	9.52E-02	1.29E-01
HHAT	0.27	9.52E-02	1.29E-01
AC104777.4	-2.26	9.53E-02	1.29E-01
ATP6V0C	1.07	9.53E-02	1.29E-01
RP11-327F22.2	-1.40	9.53E-02	1.30E-01
CNKSR3	-0.26	9.54E-02	1.30E-01
CSGALNACT2	0.30	9.55E-02	1.30E-01
MIR5699	-2.33	9.56E-02	1.30E-01
BOLA2B	0.69	9.56E-02	1.30E-01
AL713999.1	1.46	9.56E-02	1.30E-01
TNNT1	0.53	9.56E-02	1.30E-01
XLOC_006637	2.43	9.57E-02	1.30E-01
TRAF5	0.38	9.57E-02	1.30E-01

MPEG1	0.69	9.57E-02	1.30E-01
CASP8	-0.20	9.57E-02	1.30E-01
HMCN2	0.61	9.58E-02	1.30E-01
HS3ST2	0.87	9.59E-02	1.30E-01
AC079781.8	-1.24	9.59E-02	1.30E-01
SLC25A12	-0.20	9.59E-02	1.30E-01
ASAH2	-0.70	9.59E-02	1.30E-01
CD83	-0.51	9.60E-02	1.30E-01
AC016894.1	-1.48	9.61E-02	1.31E-01
RP11-16O9.2	-2.21	9.61E-02	1.31E-01
BSNDP2	-2.14	9.62E-02	1.31E-01
CAMLG	0.23	9.62E-02	1.31E-01
G34382	1.53	9.63E-02	1.31E-01
RAB8A	0.16	9.63E-02	1.31E-01
RP1-267L14.6	-1.58	9.64E-02	1.31E-01
DLGAP1-AS5	-1.73	9.64E-02	1.31E-01
RP11-715J22.4	-1.49	9.64E-02	1.31E-01
CDCA8	0.30	9.65E-02	1.31E-01
SCOC	-0.28	9.65E-02	1.31E-01
PCDHA13	-1.60	9.65E-02	1.31E-01
AHSP	-2.17	9.66E-02	1.31E-01
RN7SL812P	-1.58	9.66E-02	1.31E-01
RMDN2	-0.35	9.66E-02	1.31E-01
XLOC_000152	0.69	9.67E-02	1.31E-01
ELOVL1	0.33	9.67E-02	1.31E-01
IGHA2	-1.81	9.67E-02	1.31E-01
KRTAP5-AS1	1.77	9.68E-02	1.31E-01
BCL6	0.25	9.69E-02	1.31E-01
RP11-549L6.3	-1.40	9.69E-02	1.31E-01
EXTL1	0.86	9.70E-02	1.32E-01
TTC39C-AS1	-0.97	9.70E-02	1.32E-01
NOL8	-0.17	9.71E-02	1.32E-01
RP11-1110J8.1	-2.23	9.72E-02	1.32E-01
LINC00672	-0.83	9.72E-02	1.32E-01
CTD-2026D20.3	0.36	9.72E-02	1.32E-01
G3911	1.43	9.73E-02	1.32E-01
RP11-340I6.8	-1.33	9.73E-02	1.32E-01
ZNRF2	-0.23	9.74E-02	1.32E-01
PDCD6IP	-0.22	9.74E-02	1.32E-01
CYP2E1	-0.49	9.74E-02	1.32E-01
G4754	0.48	9.74E-02	1.32E-01
RP3-340N1.2	-2.34	9.75E-02	1.32E-01
SYCP1	2.29	9.75E-02	1.32E-01
BANCR	2.04	9.75E-02	1.32E-01
ARPIN	-0.16	9.75E-02	1.32E-01

RP11-269F20.1	-1.14	9.76E-02	1.32E-01
TNFRSF13C	0.55	9.76E-02	1.32E-01
AP000688.14	-0.69	9.76E-02	1.32E-01
CTD-2199O4.6	-1.89	9.77E-02	1.32E-01
TOMM7	0.31	9.77E-02	1.32E-01
ZMAT1	0.72	9.77E-02	1.32E-01
SPESP1	-0.77	9.79E-02	1.33E-01
RP11-77E14.2	-1.81	9.79E-02	1.33E-01
RP11-546K22.3	-0.84	9.80E-02	1.33E-01
ISM1	0.44	9.80E-02	1.33E-01
RP11-334C17.6	-1.01	9.80E-02	1.33E-01
IGLV3-1	-2.59	9.81E-02	1.33E-01
CNIH2	-0.49	9.81E-02	1.33E-01
CTD-2184D3.3	0.61	9.81E-02	1.33E-01
CTA-223H9.9	-1.17	9.81E-02	1.33E-01
RPS24P12	-2.10	9.82E-02	1.33E-01
KRT82	-3.32	9.82E-02	1.33E-01
TBC1D8	0.24	9.82E-02	1.33E-01
TMEM117	0.28	9.83E-02	1.33E-01
RP11-214K3.19	-0.95	9.83E-02	1.33E-01
CLGN	1.25	9.84E-02	1.33E-01
PCDHGB1	-0.61	9.84E-02	1.33E-01
RP11-57G10.8	-1.65	9.85E-02	1.33E-01
LCA5L	-0.59	9.85E-02	1.33E-01
C10orf88	0.17	9.86E-02	1.34E-01
SRRM2	0.38	9.86E-02	1.34E-01
AMPD3	-0.24	9.86E-02	1.34E-01
RAB6A	0.21	9.87E-02	1.34E-01
AC002306.1	-1.48	9.87E-02	1.34E-01
GPRASP1	-0.35	9.87E-02	1.34E-01
KCNH5	-1.31	9.89E-02	1.34E-01
ST13P19	-1.59	9.89E-02	1.34E-01
RP11-599B13.8	1.51	9.90E-02	1.34E-01
RP11-115D19.4	-1.23	9.90E-02	1.34E-01
RP11-685M7.3	-0.75	9.90E-02	1.34E-01
KCTD21-AS1	0.60	9.90E-02	1.34E-01
RP11-326C3.16	-1.01	9.91E-02	1.34E-01
RP11-382D12.2	1.23	9.91E-02	1.34E-01
AC011330.5	-1.03	9.91E-02	1.34E-01
KRTAP8-2P	-2.73	9.92E-02	1.34E-01
RP11-513D5.5	-2.10	9.92E-02	1.34E-01
AC011330.13	-0.78	9.92E-02	1.34E-01
RP11-16B13.1	-1.50	9.92E-02	1.34E-01
DEPTOR	0.27	9.93E-02	1.34E-01
RNU6-137P	-0.86	9.93E-02	1.34E-01

ZNF16	-0.18	9.94E-02	1.34E-01
CTC-296K1.4	1.73	9.95E-02	1.35E-01
CUL1	-0.12	9.95E-02	1.35E-01
MINCR	-0.41	9.95E-02	1.35E-01
DNAJA3	0.17	9.95E-02	1.35E-01
CDYL	-0.14	9.95E-02	1.35E-01
RPL23AP81	-1.75	9.96E-02	1.35E-01
AC004231.2	-0.67	9.96E-02	1.35E-01
RP11-361M10.3	-1.16	9.96E-02	1.35E-01
ITFG2	0.25	9.96E-02	1.35E-01
ADNP-AS1	-0.48	9.96E-02	1.35E-01
RP11-543P15.1	0.39	9.97E-02	1.35E-01
SLC44A5	-1.18	9.97E-02	1.35E-01
MCPH1-AS1	0.53	9.97E-02	1.35E-01
APOA1	-1.64	9.98E-02	1.35E-01
G3694	-1.48	9.98E-02	1.35E-01
EIF4G3	-0.24	9.98E-02	1.35E-01
LINC00484	-1.69	9.99E-02	1.35E-01
RP11-545P7.9	-1.43	9.99E-02	1.35E-01
MTND6P4	1.01	1.00E-01	1.35E-01
AC097724.3	0.91	1.00E-01	1.35E-01
FHIT	-0.38	1.00E-01	1.35E-01
RP11-148B18.1	-0.88	1.00E-01	1.35E-01
CTD-2555O16.2	-0.46	1.00E-01	1.35E-01
LINC00840	1.00	1.00E-01	1.36E-01
MYH7B	-0.63	1.00E-01	1.36E-01
COQ2	-0.28	1.00E-01	1.36E-01
CRYGS	-0.50	1.00E-01	1.36E-01
NUDT15	0.29	1.00E-01	1.36E-01
SMCO2	-0.74	1.00E-01	1.36E-01
G37636	-0.96	1.01E-01	1.36E-01
GGA2	0.18	1.01E-01	1.36E-01
NPAS1	-0.47	1.01E-01	1.36E-01
RP11-133N21.7	-1.02	1.01E-01	1.36E-01
PRB4	-1.56	1.01E-01	1.36E-01
SCML4	-0.73	1.01E-01	1.36E-01
KCNE1	-0.79	1.01E-01	1.36E-01
RP3-465N24.6	0.80	1.01E-01	1.36E-01
RBMS2	-0.24	1.01E-01	1.36E-01
RPL23AP7	0.36	1.01E-01	1.36E-01
LEFTY2	2.31	1.01E-01	1.36E-01
RP11-451N19.3	-2.23	1.01E-01	1.36E-01
RP11-330O11.3	-0.92	1.01E-01	1.36E-01
AC007292.4	-1.40	1.01E-01	1.36E-01
LHFPL4	0.79	1.01E-01	1.36E-01

CTD-2231E14.2	0.65	1.01E-01	1.37E-01
ZNF99	-1.22	1.01E-01	1.37E-01
C8orf59	-0.25	1.01E-01	1.37E-01
RPF2	-0.25	1.02E-01	1.37E-01
XBP1	0.22	1.02E-01	1.37E-01
RPL12P4	-0.43	1.02E-01	1.37E-01
GTF2IRD1P1	-0.99	1.02E-01	1.37E-01
CD52	-0.49	1.02E-01	1.37E-01
NUGGC	-0.83	1.02E-01	1.37E-01
PRCD	0.48	1.02E-01	1.37E-01
FABP2	-2.18	1.02E-01	1.37E-01
RP11-640A1.3	-2.68	1.02E-01	1.38E-01
HS2ST1	-0.26	1.02E-01	1.38E-01
WNT3	0.29	1.02E-01	1.38E-01
OSBPL2	-0.16	1.02E-01	1.38E-01
RP11-517C16.2	-0.61	1.02E-01	1.38E-01
FMO4	0.38	1.02E-01	1.38E-01
RP11-4L24.3	1.66	1.02E-01	1.38E-01
FAM206A	-0.17	1.02E-01	1.38E-01
MIR130A	-1.99	1.02E-01	1.38E-01
AF127936.9	-0.53	1.02E-01	1.38E-01
MAPK4	0.83	1.02E-01	1.38E-01
XLOC_008062	1.60	1.02E-01	1.38E-01
NXPE3	0.28	1.02E-01	1.38E-01
SPTBN4	0.60	1.02E-01	1.38E-01
XLOC_009911	-1.84	1.02E-01	1.38E-01
EIF5A2	-0.32	1.02E-01	1.38E-01
RP11-1D12.2	-1.05	1.02E-01	1.38E-01
RPF1	0.25	1.02E-01	1.38E-01
TTLL10	-1.17	1.03E-01	1.38E-01
RP11-708L7.9	-2.10	1.03E-01	1.38E-01
SH3KBP1	-0.34	1.03E-01	1.38E-01
CH17-335B8.4	-0.84	1.03E-01	1.38E-01
RMRPP3	-1.39	1.03E-01	1.39E-01
TMX4	-0.27	1.03E-01	1.39E-01
MIR548AT	-1.81	1.03E-01	1.39E-01
ANKRD40	-0.16	1.03E-01	1.39E-01
PNMA3	1.00	1.03E-01	1.39E-01
MORN2	0.32	1.03E-01	1.39E-01
ALOXE3	-0.45	1.03E-01	1.39E-01
FNDC8	1.23	1.03E-01	1.39E-01
HAND2-AS1	-0.76	1.03E-01	1.39E-01
RP11-85B7.5	-1.66	1.03E-01	1.39E-01
RP11-281O15.2	-1.90	1.03E-01	1.39E-01
FANCA	-0.41	1.03E-01	1.39E-01

ATP2A1	-0.70	1.03E-01	1.39E-01
MNAT1	-0.20	1.03E-01	1.39E-01
ZNF786	0.25	1.03E-01	1.39E-01
SPTLC1P1	-1.50	1.03E-01	1.39E-01
AP000692.10	0.85	1.03E-01	1.39E-01
RP11-478P10.1	-2.02	1.03E-01	1.39E-01
ARID4A	0.21	1.03E-01	1.39E-01
AC005262.4	-2.15	1.03E-01	1.39E-01
LPAR1	-0.57	1.03E-01	1.39E-01
C14orf119	0.24	1.03E-01	1.39E-01
AC005042.5	-1.01	1.03E-01	1.39E-01
XLOC_005405	-2.00	1.04E-01	1.39E-01
AC010148.1	-0.98	1.04E-01	1.39E-01
KIAA1524	-0.33	1.04E-01	1.39E-01
PRAC2	6.22	1.04E-01	1.39E-01
RP11-840I19.5	-0.84	1.04E-01	1.40E-01
SERPINA3	1.19	1.04E-01	1.40E-01
UBA6-AS1	-0.33	1.04E-01	1.40E-01
RP11-817O13.9	-1.39	1.04E-01	1.40E-01
RP11-290F5.1	-1.44	1.04E-01	1.40E-01
AHSG	1.58	1.04E-01	1.40E-01
ATP1A2	0.75	1.04E-01	1.40E-01
SDC1	0.23	1.04E-01	1.40E-01
DMTN	0.33	1.04E-01	1.40E-01
CLC	-2.19	1.04E-01	1.40E-01
MYO7A	0.77	1.04E-01	1.40E-01
MPC1	-0.23	1.04E-01	1.40E-01
CDC42SE1	0.18	1.04E-01	1.40E-01
XLOC_012332	-1.19	1.04E-01	1.40E-01
AC104653.1	0.90	1.04E-01	1.40E-01
C12orf56	0.56	1.04E-01	1.40E-01
G14007	-1.97	1.04E-01	1.40E-01
HCG4P7	1.11	1.04E-01	1.41E-01
PPRC1	0.31	1.04E-01	1.41E-01
IRGM	-1.86	1.04E-01	1.41E-01
XLOC_014405	-1.97	1.05E-01	1.41E-01
LRRC36	-0.78	1.05E-01	1.41E-01
RN7SL81P	-1.52	1.05E-01	1.41E-01
FAM227B	-0.29	1.05E-01	1.41E-01
RP4-635E18.7	-1.11	1.05E-01	1.41E-01
RP11-212P7.1	-1.32	1.05E-01	1.41E-01
TMEM44-AS1	0.47	1.05E-01	1.41E-01
CTD-3105H18.8	-1.72	1.05E-01	1.41E-01
AK3	-0.28	1.05E-01	1.41E-01
FAM122B	0.31	1.05E-01	1.41E-01

GPM6A	-0.70	1.05E-01	1.41E-01
TRIAP1	0.33	1.05E-01	1.41E-01
SLC25A37	0.33	1.05E-01	1.41E-01
USP28	0.25	1.05E-01	1.42E-01
BTRC	-0.18	1.06E-01	1.42E-01
CD2	0.71	1.06E-01	1.42E-01
AC099850.1	0.45	1.06E-01	1.42E-01
RP11-36B6.1	-2.05	1.06E-01	1.42E-01
PTK2	0.15	1.06E-01	1.42E-01
REP15	-1.28	1.06E-01	1.42E-01
CTC-444N24.13	-1.22	1.06E-01	1.42E-01
CSF3	1.49	1.06E-01	1.42E-01
TMEM231	0.26	1.06E-01	1.42E-01
TMEM147	0.26	1.06E-01	1.42E-01
KRTAP9-8	-4.52	1.06E-01	1.42E-01
FAM163A	1.78	1.06E-01	1.42E-01
GMDS-AS1	-0.54	1.06E-01	1.42E-01
CTC-338M12.5	-1.26	1.06E-01	1.43E-01
RP11-219E7.3	-1.78	1.06E-01	1.43E-01
IDH1	0.48	1.06E-01	1.43E-01
SLC24A1	0.21	1.06E-01	1.43E-01
RNU6-824P	-1.30	1.06E-01	1.43E-01
KRTAP9-4	-4.22	1.06E-01	1.43E-01
SETD6	-0.27	1.07E-01	1.43E-01
RP11-376P6.3	-1.32	1.07E-01	1.43E-01
RP11-1038A11.2	-2.16	1.07E-01	1.43E-01
ABCB4	-0.41	1.07E-01	1.43E-01
RORC	-0.32	1.07E-01	1.43E-01
AC107218.3	-1.54	1.07E-01	1.43E-01
RP3-424M6.4	0.45	1.07E-01	1.43E-01
PRSS42	-1.87	1.07E-01	1.43E-01
RP11-392A14.8	-1.62	1.07E-01	1.43E-01
TMEM256	-0.38	1.07E-01	1.43E-01
PLPPR1	-1.29	1.07E-01	1.43E-01
RP11-277P12.10	-1.04	1.07E-01	1.43E-01
CST7	0.70	1.07E-01	1.43E-01
RP11-116O18.3	-2.18	1.07E-01	1.44E-01
TRAJ23	-2.13	1.07E-01	1.44E-01
CTB-25B13.12	0.45	1.07E-01	1.44E-01
RANP1	-1.48	1.07E-01	1.44E-01
RP11-506O24.1	-0.84	1.07E-01	1.44E-01
GAL3ST4	-0.32	1.07E-01	1.44E-01
RNA5SP343	-2.39	1.07E-01	1.44E-01
RP11-289H16.1	-1.60	1.07E-01	1.44E-01
CTC-436P18.5	-0.82	1.07E-01	1.44E-01

BCKDHB	-0.35	1.07E-01	1.44E-01
CTB-161M19.4	-0.94	1.07E-01	1.44E-01
SLC2A14	-1.56	1.07E-01	1.44E-01
RP11-490O6.2	-0.86	1.07E-01	1.44E-01
RNU6-32P	-1.99	1.07E-01	1.44E-01
CISD1	0.29	1.07E-01	1.44E-01
RP11-262H14.11	-1.06	1.07E-01	1.44E-01
AC002519.8	-1.60	1.08E-01	1.44E-01
RP3-324O17.7	-1.07	1.08E-01	1.44E-01
ISOC1	-0.33	1.08E-01	1.44E-01
NDUFAB1	0.25	1.08E-01	1.44E-01
XLOC_005945	-2.38	1.08E-01	1.44E-01
FAHD2A	0.25	1.08E-01	1.44E-01
RP11-475C16.1	0.30	1.08E-01	1.44E-01
ARF6	0.23	1.08E-01	1.44E-01
RP11-44F21.5	0.90	1.08E-01	1.45E-01
RP11-647K16.1	-0.60	1.08E-01	1.45E-01
WTAP	0.16	1.08E-01	1.45E-01
RPS2P32	0.73	1.08E-01	1.45E-01
MUM1	0.27	1.08E-01	1.45E-01
CCDC178	1.72	1.08E-01	1.45E-01
FH	-0.25	1.08E-01	1.45E-01
ACOXL	1.11	1.08E-01	1.45E-01
BHMT2	0.68	1.08E-01	1.45E-01
FXNP2	-2.08	1.08E-01	1.45E-01
RP11-336K24.12	-1.00	1.08E-01	1.45E-01
RP11-686D22.5	1.60	1.08E-01	1.45E-01
SIGLEC5	1.89	1.08E-01	1.45E-01
ANXA7	0.21	1.08E-01	1.45E-01
RP11-2N1.3	-2.28	1.08E-01	1.45E-01
RP11-33N14.5	-1.35	1.08E-01	1.45E-01
XLOC_011393	-2.29	1.08E-01	1.45E-01
FABP3	0.52	1.08E-01	1.45E-01
FAM205C	-1.40	1.08E-01	1.45E-01
LINC01535	-0.96	1.08E-01	1.45E-01
CTD-2026K11.5	0.77	1.08E-01	1.45E-01
GLI2	0.59	1.08E-01	1.45E-01
RP11-787D11.1	-2.39	1.08E-01	1.45E-01
ZNF534	-1.50	1.09E-01	1.45E-01
CTB-50L17.16	1.45	1.09E-01	1.46E-01
RNU6-322P	-0.95	1.09E-01	1.46E-01
MYCN	0.74	1.09E-01	1.46E-01
NTNG1	1.05	1.09E-01	1.46E-01
CTB-96E2.6	1.31	1.09E-01	1.46E-01
RP4-682C21.5	-1.97	1.09E-01	1.46E-01

RP11-388C12.5	-1.97	1.09E-01	1.46E-01
CTD-2650P22.1	1.24	1.09E-01	1.46E-01
SNX5	-0.12	1.09E-01	1.46E-01
NKX2-8	1.52	1.09E-01	1.46E-01
DLX2	1.23	1.09E-01	1.46E-01
TM6SF1	-0.58	1.09E-01	1.46E-01
AC090617.1	-1.68	1.09E-01	1.46E-01
RP11-85D18.1	-1.50	1.09E-01	1.46E-01
AC073284.4	-1.15	1.09E-01	1.46E-01
LINC01480	1.48	1.09E-01	1.46E-01
RP11-10J21.4	-1.12	1.09E-01	1.46E-01
CTD-3064H18.2	-1.95	1.09E-01	1.46E-01
PAX5	1.80	1.09E-01	1.46E-01
RFPL3S	-1.32	1.09E-01	1.46E-01
ALDH9A1	0.26	1.09E-01	1.46E-01
TBX5	-0.71	1.09E-01	1.46E-01
NLGN3	0.45	1.09E-01	1.46E-01
LGALS3	0.30	1.09E-01	1.46E-01
KLRF1	0.84	1.09E-01	1.46E-01
AC092301.3	-1.16	1.09E-01	1.47E-01
CA3-AS1	-0.57	1.09E-01	1.47E-01
RP11-17E2.2	-1.84	1.09E-01	1.47E-01
FBXW11	-0.14	1.10E-01	1.47E-01
SLC36A4	-0.27	1.10E-01	1.47E-01
RP11-229O3.1	1.27	1.10E-01	1.47E-01
RP11-64C1.1	3.34	1.10E-01	1.47E-01
PDGFC	-0.37	1.10E-01	1.47E-01
RP11-259K5.1	-2.37	1.10E-01	1.47E-01
RN7SL145P	-1.38	1.10E-01	1.47E-01
ZNF521	0.49	1.10E-01	1.47E-01
G25674	-2.29	1.10E-01	1.47E-01
CDV3	-0.21	1.10E-01	1.47E-01
ICAM3	-0.71	1.10E-01	1.47E-01
RP11-1070A24.1	-2.06	1.10E-01	1.47E-01
RP11-181C21.4	1.21	1.10E-01	1.47E-01
TPCN2	0.25	1.10E-01	1.47E-01
RP11-2H8.4	-0.68	1.10E-01	1.47E-01
CES5AP1	-1.94	1.10E-01	1.47E-01
CTD-3064M3.4	-1.45	1.10E-01	1.47E-01
AC091633.3	-1.15	1.10E-01	1.47E-01
RPL5	0.26	1.10E-01	1.47E-01
CUL4B	-0.18	1.10E-01	1.47E-01
RP11-344B2.3	-1.36	1.10E-01	1.47E-01
EEF1DP4	-1.12	1.10E-01	1.48E-01
MIR34AHG	0.51	1.10E-01	1.48E-01

ANO6	-0.23	1.10E-01	1.48E-01
RP11-574K11.32	-1.38	1.10E-01	1.48E-01
USP8	-0.15	1.10E-01	1.48E-01
G13124	-0.55	1.11E-01	1.48E-01
CKMT1A	0.27	1.11E-01	1.48E-01
TMIGD2	1.76	1.11E-01	1.48E-01
UBXN4	0.17	1.11E-01	1.48E-01
RP11-157P1.4	-0.56	1.11E-01	1.48E-01
TXLNA	-0.14	1.11E-01	1.48E-01
G35422	-0.93	1.11E-01	1.48E-01
STK32A	-0.61	1.11E-01	1.48E-01
IFI44L	0.96	1.11E-01	1.49E-01
RP11-417N10.5	-2.03	1.11E-01	1.49E-01
APITD1	-0.76	1.11E-01	1.49E-01
RP11-167H9.5	-1.08	1.11E-01	1.49E-01
AC010150.1	-1.27	1.11E-01	1.49E-01
LINC00294	-0.30	1.11E-01	1.49E-01
THUMPD3	-0.13	1.11E-01	1.49E-01
bP-2171C21.5	1.90	1.11E-01	1.49E-01
UBE3C	-0.17	1.11E-01	1.49E-01
SNHG23	0.74	1.11E-01	1.49E-01
PPIAP6	-2.18	1.11E-01	1.49E-01
YPEL4	-0.52	1.12E-01	1.49E-01
NBPF14	-0.52	1.12E-01	1.49E-01
RP11-477L16.2	-2.16	1.12E-01	1.49E-01
IL17RE	0.28	1.12E-01	1.49E-01
TAF9B	-0.26	1.12E-01	1.49E-01
ADRB1	-0.75	1.12E-01	1.49E-01
RP11-473M20.11	1.01	1.12E-01	1.49E-01
RP11-126L15.4	-0.61	1.12E-01	1.49E-01
PSAT1P3	1.12	1.12E-01	1.49E-01
KNSTRN	-0.44	1.12E-01	1.50E-01
KARSP2	-1.25	1.12E-01	1.50E-01
RP5-1039K5.12	0.40	1.12E-01	1.50E-01
RIMS4	-1.19	1.12E-01	1.50E-01
RP3-439F8.1	-0.53	1.12E-01	1.50E-01
RP11-330M19.1	-1.88	1.13E-01	1.50E-01
CTA-747E2.10	-0.86	1.13E-01	1.50E-01
PAM	0.51	1.13E-01	1.50E-01
RTN3	-0.20	1.13E-01	1.50E-01
G31903	-1.10	1.13E-01	1.50E-01
TSPAN32	0.57	1.13E-01	1.50E-01
RAB3C	0.83	1.13E-01	1.51E-01
CTC-260E6.4	-1.13	1.13E-01	1.51E-01
XLOC_011615	-1.27	1.13E-01	1.51E-01

NGDN	0.21	1.13E-01	1.51E-01
WNT7A	0.51	1.13E-01	1.51E-01
CCDC60	1.41	1.13E-01	1.51E-01
RN7SL99P	-2.39	1.13E-01	1.51E-01
AC011816.1	-2.09	1.13E-01	1.51E-01
TEX26-AS1	1.12	1.13E-01	1.51E-01
CEP85	-0.23	1.13E-01	1.51E-01
RP13-20L14.4	-1.37	1.13E-01	1.51E-01
CYP2T1P	0.43	1.13E-01	1.51E-01
RP11-1281K21.1	-2.40	1.13E-01	1.51E-01
EIF3E	-0.28	1.13E-01	1.51E-01
MIR2116	-1.74	1.13E-01	1.51E-01
AC093901.1	0.97	1.13E-01	1.51E-01
MIR3118-2	-1.24	1.13E-01	1.51E-01
ALOX15B	-1.30	1.13E-01	1.51E-01
SH3GL2	-1.98	1.14E-01	1.51E-01
GLO1	-0.37	1.14E-01	1.52E-01
HSD17B8	0.34	1.14E-01	1.52E-01
EFNB3	0.31	1.14E-01	1.52E-01
PLAC9	0.53	1.14E-01	1.52E-01
RP13-128O4.3	0.83	1.14E-01	1.52E-01
WSB2	0.19	1.14E-01	1.52E-01
RP11-332H18.5	-1.54	1.14E-01	1.52E-01
LY6K	0.54	1.14E-01	1.52E-01
RPL34P18	-1.91	1.14E-01	1.52E-01
NEU2	-0.69	1.14E-01	1.52E-01
HIBCH	0.25	1.14E-01	1.52E-01
AL133318.1	-1.19	1.14E-01	1.52E-01
GDF5	1.26	1.14E-01	1.52E-01
RP11-417J8.6	-1.01	1.14E-01	1.52E-01
CCDC25	0.22	1.14E-01	1.52E-01
TUBA4A	0.33	1.14E-01	1.52E-01
CSNK2A3	-0.94	1.14E-01	1.53E-01
G4640	-1.60	1.14E-01	1.53E-01
BACH2	-0.33	1.14E-01	1.53E-01
RP11-599J14.2	-0.58	1.14E-01	1.53E-01
RP11-1114A5.4	0.55	1.14E-01	1.53E-01
HMGB3P32	-1.27	1.15E-01	1.53E-01
RP11-498C9.12	-1.39	1.15E-01	1.53E-01
RP11-252A24.3	-0.79	1.15E-01	1.53E-01
SOAT2	0.90	1.15E-01	1.53E-01
SLC5A10	0.74	1.15E-01	1.53E-01
RP11-432J24.2	-1.69	1.15E-01	1.53E-01
RP11-568J23.5	-1.01	1.15E-01	1.53E-01
AC079630.4	0.46	1.15E-01	1.53E-01

CTC-559E9.8	-0.50	1.15E-01	1.53E-01
CTB-50L17.5	-2.19	1.15E-01	1.53E-01
RP11-737O24.5	-1.69	1.15E-01	1.53E-01
RP11-651L5.2	-1.07	1.15E-01	1.53E-01
TFCP2L1	0.49	1.15E-01	1.53E-01
PRRT3	0.24	1.15E-01	1.53E-01
RGPD4	-1.96	1.15E-01	1.53E-01
P2RX5-TAX1BP3	-0.52	1.15E-01	1.53E-01
ALG1L2	0.79	1.15E-01	1.54E-01
MYL12B	0.23	1.15E-01	1.54E-01
AQP10	1.38	1.15E-01	1.54E-01
CR848007.2	-1.15	1.15E-01	1.54E-01
KLHL34	-0.75	1.15E-01	1.54E-01
WDR26	-0.23	1.15E-01	1.54E-01
SPA17	-0.42	1.15E-01	1.54E-01
WFIKKN1	-0.61	1.15E-01	1.54E-01
NPFFR1	0.83	1.15E-01	1.54E-01
MST1L	-0.87	1.16E-01	1.54E-01
ERLIN1	0.16	1.16E-01	1.54E-01
AP000438.2	-2.07	1.16E-01	1.54E-01
NOL12	-0.66	1.16E-01	1.54E-01
RAD54L	-0.44	1.16E-01	1.54E-01
BACE1-AS	0.43	1.16E-01	1.54E-01
CCIN	1.54	1.16E-01	1.54E-01
STK24-AS1	-0.92	1.16E-01	1.54E-01
RP11-603J24.7	-0.79	1.16E-01	1.54E-01
ZNF75D	-0.18	1.16E-01	1.54E-01
ATP6V1D	0.24	1.16E-01	1.54E-01
PSD2	0.85	1.16E-01	1.54E-01
RP11-1055B8.4	-0.71	1.16E-01	1.54E-01
CXXC4	0.73	1.16E-01	1.54E-01
ARHGEF34P	-0.58	1.16E-01	1.54E-01
RP13-631K18.2	-1.79	1.16E-01	1.55E-01
LINC00444	-1.30	1.16E-01	1.55E-01
CH507-42P11.3	-2.20	1.16E-01	1.55E-01
DYNLL1P4	-2.15	1.16E-01	1.55E-01
RNU6-1279P	-2.36	1.16E-01	1.55E-01
RP11-381E24.4	-2.01	1.16E-01	1.55E-01
KB-1991G8.1	-0.62	1.16E-01	1.55E-01
DMBT1P1	-2.02	1.16E-01	1.55E-01
GNG5P3	-1.97	1.16E-01	1.55E-01
FLJ38576	-1.99	1.16E-01	1.55E-01
LINGO4	-0.72	1.16E-01	1.55E-01
AC007881.1	-1.58	1.16E-01	1.55E-01
AC144831.3	-0.47	1.17E-01	1.55E-01

RP1-37N7.1	-0.87	1.17E-01	1.55E-01
ZNF561-AS1	-0.32	1.17E-01	1.55E-01
RP11-227F19.5	-1.31	1.17E-01	1.55E-01
RP11-166B2.7	-1.70	1.17E-01	1.55E-01
HNRNPA1P53	-1.69	1.17E-01	1.55E-01
ZNF474	-0.82	1.17E-01	1.55E-01
RP11-699L21.1	-1.56	1.17E-01	1.56E-01
ARSF	0.61	1.17E-01	1.56E-01
RP11-752G15.10	-1.84	1.17E-01	1.56E-01
ERMAP	-0.17	1.17E-01	1.56E-01
RP11-544L8__B.4	1.59	1.17E-01	1.56E-01
AC002116.7	-1.14	1.17E-01	1.56E-01
C2orf54	0.29	1.17E-01	1.56E-01
AKR1C3	0.35	1.17E-01	1.56E-01
PLCH1	0.80	1.17E-01	1.56E-01
RP11-648L3.2	-1.86	1.17E-01	1.56E-01
RP4-775C13.1	-1.57	1.17E-01	1.56E-01
CAPZA2	-0.27	1.17E-01	1.56E-01
PLGRKT	0.29	1.17E-01	1.56E-01
LINC00942	1.10	1.17E-01	1.56E-01
RP3-441A12.1	-1.61	1.17E-01	1.56E-01
CTC-453G23.4	-1.62	1.17E-01	1.56E-01
NIFK-AS1	0.24	1.17E-01	1.56E-01
KCNIP1	1.24	1.17E-01	1.56E-01
RP11-213G2.5	1.43	1.17E-01	1.56E-01
CUBN	-0.50	1.17E-01	1.56E-01
RP4-781K5.4	-0.73	1.17E-01	1.56E-01
RP11-497H16.9	-2.71	1.18E-01	1.56E-01
RP4-773N10.4	-0.28	1.18E-01	1.56E-01
RNU7-75P	-1.09	1.18E-01	1.56E-01
RNU6-1042P	-2.40	1.18E-01	1.56E-01
AC005488.1	1.23	1.18E-01	1.56E-01
RP11-227G15.6	-2.03	1.18E-01	1.56E-01
ATP6V1H	0.21	1.18E-01	1.56E-01
DRAIC	1.36	1.18E-01	1.57E-01
DGKB	1.09	1.18E-01	1.57E-01
SRRM5	-0.86	1.18E-01	1.57E-01
AP001056.1	1.31	1.18E-01	1.57E-01
PTPN22	0.53	1.18E-01	1.57E-01
AC093724.2	0.65	1.18E-01	1.57E-01
RP3-395M20.8	0.56	1.18E-01	1.57E-01
CTA-963H5.5	0.58	1.18E-01	1.57E-01
G1876	-1.09	1.18E-01	1.57E-01
ITK	-0.59	1.18E-01	1.57E-01
KCNA7	0.83	1.18E-01	1.57E-01

RSL1D1	0.23	1.18E-01	1.57E-01
MTHFD1	-0.19	1.18E-01	1.57E-01
AC117395.1	0.87	1.19E-01	1.57E-01
AC006077.3	-0.82	1.19E-01	1.57E-01
RP3-402G11.28	0.78	1.19E-01	1.57E-01
KRTAP4-5	-3.38	1.19E-01	1.57E-01
AC011477.1	-1.74	1.19E-01	1.58E-01
ADCY7	-0.24	1.19E-01	1.58E-01
RP11-219E7.4	-1.21	1.19E-01	1.58E-01
AC016708.2	-0.71	1.19E-01	1.58E-01
IFT27	0.28	1.19E-01	1.58E-01
ZNF334	-0.68	1.19E-01	1.58E-01
G23532	-2.58	1.19E-01	1.58E-01
SLIT1	-0.76	1.19E-01	1.58E-01
RP3-395M20.7	-1.95	1.19E-01	1.58E-01
COX6B2	0.97	1.20E-01	1.59E-01
G5909	-0.93	1.20E-01	1.59E-01
RP11-582E3.2	-1.81	1.20E-01	1.59E-01
AP000347.2	0.59	1.20E-01	1.59E-01
FLJ26245	-2.36	1.20E-01	1.59E-01
FGF14	-0.62	1.20E-01	1.59E-01
RP11-1070N10.3	-1.17	1.20E-01	1.59E-01
TCF7	-0.40	1.20E-01	1.59E-01
BST1	0.48	1.20E-01	1.59E-01
RP11-51J9.4	-1.25	1.20E-01	1.59E-01
XXbac-B444P24.14	-1.04	1.20E-01	1.59E-01
SLC48A1	0.22	1.20E-01	1.59E-01
RNU7-135P	-1.23	1.20E-01	1.59E-01
RP5-1024N4.4	-1.23	1.20E-01	1.59E-01
RPS13	0.27	1.20E-01	1.59E-01
SLC22A7	-1.80	1.20E-01	1.59E-01
PPIAP29	-0.64	1.20E-01	1.59E-01
RP4-545K15.5	-0.69	1.20E-01	1.59E-01
DZANK1	0.35	1.20E-01	1.59E-01
DCAF12	0.15	1.20E-01	1.59E-01
MIRLET7DHG	-1.16	1.20E-01	1.59E-01
G39812	-0.76	1.20E-01	1.59E-01
RP11-894J14.5	-0.64	1.20E-01	1.59E-01
RP3-522J7.6	-1.46	1.20E-01	1.59E-01
G26573	0.95	1.20E-01	1.59E-01
RP11-848P1.7	-0.74	1.20E-01	1.59E-01
IGHV3-7	-2.11	1.20E-01	1.59E-01
B4GALT1-AS1	-0.50	1.20E-01	1.59E-01
RP11-130L8.3	1.05	1.20E-01	1.60E-01
RP11-209M4.1	-1.63	1.20E-01	1.60E-01

RAD51C	0.20	1.20E-01	1.60E-01
RP11-956J14.1	-2.22	1.20E-01	1.60E-01
RP11-495P10.3	-1.50	1.20E-01	1.60E-01
GGT1	0.74	1.20E-01	1.60E-01
HSH2D	0.91	1.20E-01	1.60E-01
SCUBE3	-0.51	1.21E-01	1.60E-01
RP11-486O13.4	-1.96	1.21E-01	1.60E-01
XLOC_010305	-1.28	1.21E-01	1.60E-01
ENO1-AS1	-1.17	1.21E-01	1.60E-01
RP11-227D13.1	1.42	1.21E-01	1.60E-01
HECW1	-0.83	1.21E-01	1.60E-01
RP11-409I10.2	-1.48	1.21E-01	1.60E-01
RASA4B	1.16	1.21E-01	1.60E-01
RNU6-1337P	-1.85	1.21E-01	1.60E-01
RP11-172H24.4	1.01	1.21E-01	1.60E-01
RP11-619I22.1	-1.94	1.21E-01	1.60E-01
RYR1	-0.34	1.21E-01	1.60E-01
LIX1	1.09	1.21E-01	1.60E-01
ZFR	-0.20	1.21E-01	1.60E-01
XXbac-B135H6.15	1.04	1.21E-01	1.60E-01
GPC6-AS1	-2.07	1.21E-01	1.61E-01
RHOT1P1	1.54	1.21E-01	1.61E-01
OXER1	0.53	1.21E-01	1.61E-01
RP11-326K13.4	0.41	1.21E-01	1.61E-01
CRAT	-1.17	1.21E-01	1.61E-01
TMEM65	-0.20	1.21E-01	1.61E-01
RBMX2P3	1.32	1.22E-01	1.61E-01
NETO1	-1.05	1.22E-01	1.61E-01
TSIX	-1.87	1.22E-01	1.61E-01
GBP3	0.42	1.22E-01	1.61E-01
RP11-109N23.1	-1.23	1.22E-01	1.61E-01
NCEH1	0.42	1.22E-01	1.61E-01
PNMA2	0.45	1.22E-01	1.61E-01
C6orf52	-0.51	1.22E-01	1.61E-01
AP003064.1	-1.47	1.22E-01	1.62E-01
SETD5	0.25	1.22E-01	1.62E-01
CEACAM1	0.81	1.22E-01	1.62E-01
BIRC5	0.43	1.22E-01	1.62E-01
CYP7A1	-1.12	1.22E-01	1.62E-01
CTB-58E17.3	0.71	1.22E-01	1.62E-01
DUSP8P5	0.61	1.22E-01	1.62E-01
RP11-106M7.1	1.36	1.22E-01	1.62E-01
AC007879.2	-1.58	1.23E-01	1.62E-01
TRAC	0.64	1.23E-01	1.62E-01
RNU6-1280P	-1.40	1.23E-01	1.62E-01

CAPZA1	-0.20	1.23E-01	1.62E-01
RP11-15J10.1	-0.94	1.23E-01	1.62E-01
RP1-28O10.1	1.19	1.23E-01	1.62E-01
RP11-392O17.2	-0.78	1.23E-01	1.62E-01
ABALON	-0.83	1.23E-01	1.62E-01
DNAAF1	-0.82	1.23E-01	1.62E-01
RP4-585I14.3	-1.82	1.23E-01	1.62E-01
GABRE	-0.64	1.23E-01	1.63E-01
RGS6	-0.69	1.23E-01	1.63E-01
RP11-673E1.1	-1.28	1.23E-01	1.63E-01
DCST2	-0.71	1.23E-01	1.63E-01
RP4-799P18.2	1.96	1.23E-01	1.63E-01
ANKRD23	-0.59	1.23E-01	1.63E-01
SKAP1	0.63	1.23E-01	1.63E-01
AL021917.1	-1.98	1.23E-01	1.63E-01
MIR647	1.31	1.23E-01	1.63E-01
HDAC2	0.16	1.23E-01	1.63E-01
HMGB1P24	-0.97	1.23E-01	1.63E-01
RP11-203J24.8	-0.78	1.23E-01	1.63E-01
BHLHA15	-1.66	1.24E-01	1.63E-01
ZNF382	-0.46	1.24E-01	1.63E-01
TTC23	0.13	1.24E-01	1.63E-01
RP11-108O10.2	-1.52	1.24E-01	1.63E-01
G39803	-0.82	1.24E-01	1.63E-01
FAM26D	-3.02	1.24E-01	1.63E-01
TAF9	0.25	1.24E-01	1.63E-01
RP11-214K3.5	-1.89	1.24E-01	1.63E-01
GPCPD1	0.21	1.24E-01	1.64E-01
RP11-304F15.5	-2.08	1.24E-01	1.64E-01
AC069363.1	-2.28	1.24E-01	1.64E-01
TMEM192	0.18	1.24E-01	1.64E-01
WSB1	0.32	1.24E-01	1.64E-01
TTC27	-0.22	1.24E-01	1.64E-01
B3GALNT1	0.31	1.24E-01	1.64E-01
YJEFN3	0.93	1.24E-01	1.64E-01
TBC1D3F	-1.00	1.24E-01	1.64E-01
ATP1A4	-1.99	1.24E-01	1.64E-01
RP11-214O1.3	-1.43	1.24E-01	1.64E-01
RNU4ATAC18P	-0.99	1.24E-01	1.64E-01
CECR6	-0.51	1.24E-01	1.64E-01
ARHGAP31-AS1	-0.77	1.24E-01	1.64E-01
AC010504.2	-0.94	1.24E-01	1.64E-01
RP11-392P7.1	-1.86	1.24E-01	1.64E-01
RP11-512N21.3	-1.98	1.25E-01	1.64E-01
TDGF1	1.36	1.25E-01	1.64E-01

SYNPO2	0.52	1.25E-01	1.65E-01
SMIM17	-1.16	1.25E-01	1.65E-01
PPA1	0.29	1.25E-01	1.65E-01
NDUFB5	0.26	1.25E-01	1.65E-01
PRR13P5	1.00	1.25E-01	1.65E-01
RPS26	0.61	1.25E-01	1.65E-01
MIR33B	-2.05	1.25E-01	1.65E-01
G16043	-1.34	1.25E-01	1.65E-01
CNBD2	-0.81	1.25E-01	1.65E-01
LRRIQ1	0.83	1.25E-01	1.65E-01
RP4-669B10.3	-2.76	1.25E-01	1.65E-01
AC009120.4	-1.62	1.25E-01	1.65E-01
CTD-2313J17.7	-1.04	1.25E-01	1.65E-01
RP11-20I20.4	0.75	1.25E-01	1.65E-01
HRASLS	-0.56	1.25E-01	1.65E-01
SUMO2P17	1.01	1.25E-01	1.65E-01
NAPSA	0.68	1.25E-01	1.65E-01
MEF2C-AS1	-0.79	1.26E-01	1.66E-01
SDHAP1	-0.41	1.26E-01	1.66E-01
ZNF747	-0.24	1.26E-01	1.66E-01
AQP7P1	1.29	1.26E-01	1.66E-01
WARS2	-0.19	1.26E-01	1.66E-01
RPSAP53	-2.99	1.26E-01	1.66E-01
NDUFB1P2	-1.36	1.26E-01	1.66E-01
FSTL1	0.62	1.26E-01	1.66E-01
RP11-454E5.4	0.38	1.26E-01	1.66E-01
KIF18B	0.37	1.26E-01	1.66E-01
KCNJ12	-0.35	1.26E-01	1.66E-01
CTD-2047H16.5	-1.62	1.26E-01	1.66E-01
SYCE2	-0.84	1.26E-01	1.66E-01
MAS1L	-1.33	1.26E-01	1.66E-01
PIK3R6	0.53	1.26E-01	1.66E-01
SIGLEC11	1.48	1.26E-01	1.66E-01
G13690	-1.45	1.26E-01	1.66E-01
AC008391.1	-0.88	1.26E-01	1.67E-01
CACNA1G-AS1	-1.12	1.26E-01	1.67E-01
RP11-125O18.1	4.81	1.26E-01	1.67E-01
AC007312.3	-1.74	1.26E-01	1.67E-01
LINC00562	-0.73	1.26E-01	1.67E-01
RP11-274B21.2	0.42	1.26E-01	1.67E-01
KB-1471A8.1	-1.32	1.26E-01	1.67E-01
AC092620.2	-0.72	1.27E-01	1.67E-01
CTC-461F20.1	-1.92	1.27E-01	1.67E-01
NUB1	0.15	1.27E-01	1.67E-01
AC018647.3	0.82	1.27E-01	1.67E-01

RPS29	0.35	1.27E-01	1.67E-01
CPA2	1.13	1.27E-01	1.67E-01
MIR193BHG	-0.32	1.27E-01	1.67E-01
RP11-707P17.2	-0.88	1.27E-01	1.67E-01
RP4-657E11.10	-0.45	1.27E-01	1.67E-01
RAPGEF5	-0.30	1.27E-01	1.67E-01
EBAG9	0.17	1.27E-01	1.67E-01
NALT1	0.79	1.27E-01	1.67E-01
LINC00598	-0.78	1.27E-01	1.67E-01
GPR15	-1.53	1.27E-01	1.67E-01
HUS1B	0.88	1.27E-01	1.68E-01
CCDC47	-0.22	1.27E-01	1.68E-01
SDHD	-0.28	1.27E-01	1.68E-01
MEIS1	-0.34	1.27E-01	1.68E-01
AC011385.2	-1.64	1.27E-01	1.68E-01
AC068522.4	-1.00	1.27E-01	1.68E-01
RP11-1094M14.5	-1.31	1.27E-01	1.68E-01
XLOC_002220	-1.67	1.27E-01	1.68E-01
RP11-252K23.1	-1.16	1.28E-01	1.68E-01
ABCA2	0.27	1.28E-01	1.68E-01
LINC01024	0.31	1.28E-01	1.68E-01
KCNH7	-1.09	1.28E-01	1.68E-01
ZNF890P	-2.02	1.28E-01	1.68E-01
CYP4A22-AS1	1.36	1.28E-01	1.68E-01
RP11-973F15.2	-1.58	1.28E-01	1.68E-01
XLOC_004632	1.16	1.28E-01	1.68E-01
TBC1D29	-1.64	1.28E-01	1.68E-01
ACOT8	-0.24	1.28E-01	1.68E-01
BCORP1	-1.27	1.28E-01	1.68E-01
RP11-480I12.9	-0.81	1.28E-01	1.68E-01
CRHR2	-0.79	1.28E-01	1.69E-01
RP11-700H6.1	-1.18	1.28E-01	1.69E-01
RN7SL630P	-2.24	1.28E-01	1.69E-01
RP11-800A3.3	-1.46	1.28E-01	1.69E-01
RP11-455F5.6	1.21	1.28E-01	1.69E-01
RP11-759A24.3	1.70	1.28E-01	1.69E-01
AC005562.1	-0.85	1.28E-01	1.69E-01
AC003682.17	1.66	1.28E-01	1.69E-01
FEM1C	-0.20	1.29E-01	1.69E-01
AC016586.1	-0.67	1.29E-01	1.69E-01
RAI2	0.56	1.29E-01	1.69E-01
PZP	-1.01	1.29E-01	1.69E-01
MTIF2	0.17	1.29E-01	1.69E-01
NLRP2	0.98	1.29E-01	1.69E-01
GABRR2	-1.20	1.29E-01	1.69E-01

RP11-57H14.3	-2.09	1.29E-01	1.69E-01
SPC25	0.41	1.29E-01	1.70E-01
EPB41L2	0.40	1.29E-01	1.70E-01
ERCC5	-0.15	1.29E-01	1.70E-01
MEI4	-1.15	1.29E-01	1.70E-01
TNRC6A	-0.16	1.29E-01	1.70E-01
TUSC8	1.83	1.29E-01	1.70E-01
CH17-174L20.1	-2.02	1.29E-01	1.70E-01
RP11-439L18.1	1.31	1.29E-01	1.70E-01
SEPT7P3	-2.68	1.29E-01	1.70E-01
CTD-2015B23.2	-1.71	1.29E-01	1.70E-01
AC073415.2	-0.81	1.29E-01	1.70E-01
ADIRF-AS1	-0.51	1.29E-01	1.70E-01
ASS1P2	-0.88	1.29E-01	1.70E-01
ARHGEF35	0.65	1.29E-01	1.70E-01
MIR3677	-1.49	1.29E-01	1.70E-01
SPRR2B	1.53	1.29E-01	1.70E-01
BBOX1-AS1	-0.60	1.29E-01	1.70E-01
RP11-176H8.3	-1.35	1.29E-01	1.70E-01
RP5-1039K5.19	-0.36	1.29E-01	1.70E-01
RP11-213G2.2	-2.13	1.30E-01	1.70E-01
RP11-4C20.3	-1.72	1.30E-01	1.70E-01
DDX39B	0.57	1.30E-01	1.70E-01
WBSCR27	0.87	1.30E-01	1.70E-01
RP11-622A1.2	-2.05	1.30E-01	1.70E-01
XLOC_010367	1.48	1.30E-01	1.70E-01
FYCO1	-0.20	1.30E-01	1.70E-01
DCLRE1C	-0.16	1.30E-01	1.71E-01
AUNIP	-0.45	1.30E-01	1.71E-01
AC018717.1	-2.81	1.30E-01	1.71E-01
LCE1D	1.09	1.30E-01	1.71E-01
RP11-362L22.1	-1.58	1.30E-01	1.71E-01
PKP2	0.54	1.30E-01	1.71E-01
G41428	-1.56	1.30E-01	1.71E-01
SARS2	-0.61	1.30E-01	1.71E-01
RAB38	0.24	1.30E-01	1.71E-01
RP11-351C21.2	-0.75	1.30E-01	1.71E-01
TMCC2	0.38	1.30E-01	1.71E-01
WEE2	-0.88	1.30E-01	1.71E-01
CHRNA3	0.87	1.30E-01	1.71E-01
RPL4	0.24	1.31E-01	1.71E-01
ZSWIM5	-0.32	1.31E-01	1.71E-01
WASF3	0.32	1.31E-01	1.71E-01
RAB28P2	-1.63	1.31E-01	1.72E-01
GCA	0.31	1.31E-01	1.72E-01

RP11-318A15.2	-1.42	1.31E-01	1.72E-01
RP11-119B16.2	0.69	1.31E-01	1.72E-01
RPL7AP11	-1.40	1.31E-01	1.72E-01
RP11-284P20.3	-1.98	1.31E-01	1.72E-01
COMMD2	-0.24	1.31E-01	1.72E-01
TMEM27	-0.58	1.31E-01	1.72E-01
LAMC2	-0.40	1.31E-01	1.72E-01
AC012074.2	-0.62	1.31E-01	1.72E-01
TNNT2	-0.50	1.31E-01	1.72E-01
RP5-963E22.6	1.56	1.31E-01	1.72E-01
OSBP	-0.15	1.31E-01	1.72E-01
INSR	0.22	1.31E-01	1.73E-01
CLEC4GP1	1.31	1.32E-01	1.73E-01
TMEM9B-AS1	-0.42	1.32E-01	1.73E-01
CTD-2035E11.3	-1.36	1.32E-01	1.73E-01
RP11-36B15.1	-1.03	1.32E-01	1.73E-01
RP11-354M1.2	-1.18	1.32E-01	1.73E-01
RP1-28H20.3	-0.89	1.32E-01	1.73E-01
KLHL7-AS1	-0.73	1.32E-01	1.73E-01
AC007041.2	-1.59	1.32E-01	1.73E-01
XLOC_009868	0.73	1.32E-01	1.73E-01
DCAF6	0.13	1.32E-01	1.73E-01
VCAN-AS1	-1.38	1.32E-01	1.73E-01
RNU6-1091P	-1.35	1.32E-01	1.73E-01
ADAM33	0.62	1.32E-01	1.73E-01
RP11-266L9.6	-0.78	1.32E-01	1.73E-01
AC093642.1	-1.06	1.32E-01	1.73E-01
RN7SL403P	-1.66	1.32E-01	1.73E-01
ALMS1P	-1.27	1.32E-01	1.74E-01
RP11-1C8.6	-1.05	1.32E-01	1.74E-01
CFAP157	-0.40	1.32E-01	1.74E-01
CBLN2	-1.67	1.32E-01	1.74E-01
ZNF34	-0.24	1.32E-01	1.74E-01
CYFIP1	0.12	1.33E-01	1.74E-01
SOX30	1.05	1.33E-01	1.74E-01
KRT18P5	-1.17	1.33E-01	1.74E-01
PCNAP4	-1.48	1.33E-01	1.74E-01
RP11-589M4.4	-2.03	1.33E-01	1.74E-01
RPS7	0.26	1.33E-01	1.74E-01
RARS2	0.14	1.33E-01	1.74E-01
G32232	1.57	1.33E-01	1.74E-01
CTD-2349P21.11	-1.46	1.33E-01	1.74E-01
KIF6	-0.74	1.33E-01	1.74E-01
DYRK4	0.18	1.33E-01	1.74E-01
SLC35B3	0.19	1.33E-01	1.74E-01

CTB-41I6.2	2.05	1.33E-01	1.74E-01
C11orf87	-1.03	1.33E-01	1.74E-01
RP4-605O3.4	-0.45	1.33E-01	1.74E-01
LRRC8E	-0.34	1.33E-01	1.74E-01
SF3B3	-0.15	1.33E-01	1.74E-01
PRKX	-0.18	1.33E-01	1.74E-01
G32932	-1.34	1.33E-01	1.74E-01
AP002381.2	-1.66	1.33E-01	1.74E-01
PDZRN3	0.43	1.33E-01	1.74E-01
G30301	-2.21	1.33E-01	1.74E-01
C11orf85	-1.12	1.33E-01	1.74E-01
RPH3AL	0.35	1.33E-01	1.74E-01
NPM1P6	-0.74	1.33E-01	1.74E-01
USP2	-0.42	1.33E-01	1.74E-01
AC093668.2	0.86	1.33E-01	1.75E-01
RPS15AP6	-1.44	1.33E-01	1.75E-01
MTHFD2	0.33	1.33E-01	1.75E-01
FCRL5	1.45	1.33E-01	1.75E-01
RP11-352D13.6	-1.55	1.34E-01	1.75E-01
ART3	-0.86	1.34E-01	1.75E-01
CNR2	-1.64	1.34E-01	1.75E-01
MAN2C1	0.37	1.34E-01	1.75E-01
ITIH6	1.26	1.34E-01	1.75E-01
ZNF587P1	-1.18	1.34E-01	1.75E-01
ZEB2	0.41	1.34E-01	1.75E-01
RECK	-0.57	1.34E-01	1.75E-01
RP11-626E13.1	-2.07	1.34E-01	1.75E-01
C3orf14	0.26	1.34E-01	1.75E-01
RP1-228P16.8	-0.64	1.34E-01	1.75E-01
RP11-375H19.2	-1.05	1.34E-01	1.75E-01
CAPN14	-0.49	1.34E-01	1.75E-01
ANKRD20A17P	1.93	1.34E-01	1.76E-01
CICP22	-1.85	1.34E-01	1.76E-01
GSPT2	0.30	1.34E-01	1.76E-01
SHISA3	1.28	1.34E-01	1.76E-01
NCK1	-0.22	1.34E-01	1.76E-01
TOB1-AS1	-0.61	1.34E-01	1.76E-01
PGM5P4	-0.86	1.34E-01	1.76E-01
RP11-517O13.3	-0.93	1.34E-01	1.76E-01
CDS2	-0.19	1.34E-01	1.76E-01
XLOC_005778	1.29	1.35E-01	1.76E-01
RP11-482E14.1	-1.02	1.35E-01	1.76E-01
RP11-717D12.1	-0.97	1.35E-01	1.76E-01
RP11-471B22.3	-0.57	1.35E-01	1.76E-01
XLOC_007942	-0.81	1.35E-01	1.76E-01

ZNF287	-0.22	1.35E-01	1.76E-01
RP1-140A9.1	-0.70	1.35E-01	1.76E-01
P2RX5	-1.91	1.35E-01	1.76E-01
ATP5J2	0.21	1.35E-01	1.76E-01
CTB-96E2.10	-1.79	1.35E-01	1.76E-01
RPS3AP12	-1.13	1.35E-01	1.76E-01
TCEB3	-0.17	1.35E-01	1.76E-01
CTD-2192J16.15	-0.37	1.35E-01	1.76E-01
RP11-120M18.5	1.84	1.35E-01	1.77E-01
RNU2-28P	-0.81	1.35E-01	1.77E-01
DDT	-0.77	1.35E-01	1.77E-01
SERF2	0.23	1.35E-01	1.77E-01
CLCA3P	-1.35	1.35E-01	1.77E-01
XLOC_007109	-1.38	1.35E-01	1.77E-01
TRHDE-AS1	-1.00	1.35E-01	1.77E-01
RP11-465N4.5	-0.86	1.35E-01	1.77E-01
BMPR1B	0.33	1.36E-01	1.77E-01
UAP1	0.31	1.36E-01	1.77E-01
KCTD14	1.13	1.36E-01	1.77E-01
DPP10-AS1	-2.15	1.36E-01	1.77E-01
HSP90AA1	0.29	1.36E-01	1.77E-01
RP11-736K20.5	-0.67	1.36E-01	1.77E-01
RP5-1050E16.2	-2.01	1.36E-01	1.78E-01
ST6GALNAC2	-0.27	1.36E-01	1.78E-01
HSD17B4	-0.21	1.36E-01	1.78E-01
AC090945.1	-0.87	1.36E-01	1.78E-01
SLC6A15	-0.41	1.36E-01	1.78E-01
ZNF259P1	-1.05	1.36E-01	1.78E-01
RP11-867G2.6	-1.35	1.36E-01	1.78E-01
RP11-21L23.4	-1.77	1.36E-01	1.78E-01
BTD	0.27	1.36E-01	1.78E-01
RP11-861E21.1	-1.51	1.36E-01	1.78E-01
C1orf228	0.88	1.36E-01	1.78E-01
SNRPCP19	-1.55	1.36E-01	1.78E-01
RNA5SP507	-1.98	1.36E-01	1.78E-01
SLFN12	0.40	1.36E-01	1.78E-01
G9256	-1.22	1.37E-01	1.78E-01
RP11-231G3.1	-0.62	1.37E-01	1.78E-01
CSNK2A2	-0.28	1.37E-01	1.79E-01
XLOC_005724	0.39	1.37E-01	1.79E-01
ST7-AS1	0.55	1.37E-01	1.79E-01
EVI2B	0.56	1.37E-01	1.79E-01
GNS	0.24	1.37E-01	1.79E-01
MCFD2P1	-1.41	1.37E-01	1.79E-01
RP11-316M1.3	-1.58	1.37E-01	1.79E-01

FILIP1L	0.27	1.37E-01	1.79E-01
CTD-2319I12.4	0.83	1.37E-01	1.79E-01
RP1-241P17.4	1.03	1.37E-01	1.79E-01
TRAJ5	-2.46	1.37E-01	1.79E-01
CTD-2336O2.3	-1.04	1.37E-01	1.79E-01
CEP135	-0.21	1.37E-01	1.79E-01
DGKZP1	0.61	1.37E-01	1.79E-01
RP4-728D4.2	-0.77	1.37E-01	1.79E-01
ANAPC10	-0.20	1.37E-01	1.79E-01
LRIT3	-0.80	1.37E-01	1.79E-01
MUC4	-0.91	1.37E-01	1.79E-01
RP11-667K14.3	-0.42	1.37E-01	1.79E-01
CAPN9	0.99	1.37E-01	1.79E-01
GAPDHP1	-1.25	1.37E-01	1.79E-01
RPL7P19	-1.50	1.37E-01	1.79E-01
LOX	0.67	1.37E-01	1.79E-01
XLOC_008033	-0.43	1.37E-01	1.79E-01
XLOC_011537	-1.93	1.38E-01	1.79E-01
RP11-506F3.1	-1.45	1.38E-01	1.79E-01
SH2D1A	0.68	1.38E-01	1.79E-01
DOCK11	-0.43	1.38E-01	1.80E-01
RP11-10J21.5	-2.05	1.38E-01	1.80E-01
RP11-395P16.1	-2.00	1.38E-01	1.80E-01
DYDC2	1.08	1.38E-01	1.80E-01
CTB-26E19.1	-2.02	1.38E-01	1.80E-01
RPL21P123	-1.18	1.38E-01	1.80E-01
RFWD2P1	-2.16	1.38E-01	1.80E-01
RP11-77H9.2	-0.59	1.38E-01	1.80E-01
AC098824.6	-0.96	1.38E-01	1.80E-01
LINC01504	-0.59	1.38E-01	1.80E-01
GXYLT1P6	-1.55	1.38E-01	1.80E-01
CPA4	0.36	1.38E-01	1.80E-01
EIF4HP2	-0.87	1.38E-01	1.80E-01
TMEM86A	0.42	1.38E-01	1.80E-01
TAS2R67P	-1.45	1.38E-01	1.81E-01
LARGE	0.24	1.38E-01	1.81E-01
C11orf58	0.20	1.39E-01	1.81E-01
ASS1P1	-1.69	1.39E-01	1.81E-01
EEF1B2P3	-0.35	1.39E-01	1.81E-01
RP11-44F21.2	-1.72	1.39E-01	1.81E-01
AC145124.2	0.74	1.39E-01	1.81E-01
FTH1P7	1.27	1.39E-01	1.81E-01
RP11-464D20.6	-0.83	1.39E-01	1.81E-01
CTC-499B15.7	-1.98	1.39E-01	1.81E-01
NUDT11	-0.43	1.39E-01	1.81E-01

ADAM21	-0.98	1.39E-01	1.81E-01
RP11-73M7.6	0.58	1.39E-01	1.81E-01
C21orf59	0.21	1.39E-01	1.81E-01
RP11-158H5.8	-0.87	1.39E-01	1.81E-01
COL6A4P1	1.17	1.39E-01	1.81E-01
RP11-673E1.3	0.75	1.39E-01	1.81E-01
MOBP	-2.02	1.39E-01	1.81E-01
ZNF662	-0.31	1.39E-01	1.82E-01
TJP2	0.23	1.40E-01	1.82E-01
CYP21A1P	-1.80	1.40E-01	1.82E-01
FBXO45	0.39	1.40E-01	1.82E-01
LINC00605	1.56	1.40E-01	1.82E-01
FANCD2OS	-1.80	1.40E-01	1.82E-01
TDH	1.33	1.40E-01	1.82E-01
AC011498.1	-1.10	1.40E-01	1.82E-01
E2F6	-0.18	1.40E-01	1.82E-01
EPYC	5.94	1.40E-01	1.82E-01
RP11-403I13.9	-1.75	1.40E-01	1.82E-01
FREM3	-0.82	1.40E-01	1.82E-01
MC1R	0.61	1.40E-01	1.82E-01
TATDN1	-0.19	1.40E-01	1.83E-01
RP11-343H5.4	1.59	1.40E-01	1.83E-01
RP11-599B13.7	1.24	1.40E-01	1.83E-01
RP11-371A22.1	0.30	1.40E-01	1.83E-01
AC005519.4	-0.67	1.40E-01	1.83E-01
LRIF1	0.25	1.40E-01	1.83E-01
CACNA1C-AS4	-1.51	1.41E-01	1.83E-01
CLDN19	-1.60	1.41E-01	1.83E-01
RP11-54O15.3	-1.62	1.41E-01	1.83E-01
CD5L	-1.33	1.41E-01	1.83E-01
FRG1JP	-0.58	1.41E-01	1.83E-01
RP11-13J10.1	-1.49	1.41E-01	1.83E-01
RP11-276H7.2	0.59	1.41E-01	1.83E-01
RP11-177H13.2	-0.73	1.41E-01	1.83E-01
R3HCC1L	0.15	1.41E-01	1.83E-01
CRNDE	0.24	1.41E-01	1.83E-01
FAM90A1	0.67	1.41E-01	1.83E-01
G3670	1.19	1.41E-01	1.83E-01
IRS1	-0.36	1.41E-01	1.83E-01
L3MBTL2	0.15	1.41E-01	1.84E-01
RP11-588H23.3	-0.83	1.41E-01	1.84E-01
RP11-973H7.1	1.63	1.41E-01	1.84E-01
RP11-501C14.9	-1.05	1.41E-01	1.84E-01
RP11-258F22.2	-1.88	1.41E-01	1.84E-01
RP11-499F3.2	-1.87	1.41E-01	1.84E-01

AC106786.1	1.03	1.41E-01	1.84E-01
CTB-49A3.2	0.64	1.41E-01	1.84E-01
CECR5-AS1	-0.66	1.42E-01	1.84E-01
SMC2-AS1	-0.80	1.42E-01	1.84E-01
GGTA2P	-0.84	1.42E-01	1.84E-01
ARHGEF39	-0.45	1.42E-01	1.84E-01
VAV3-AS1	-1.57	1.42E-01	1.84E-01
MIR26A2	-1.21	1.42E-01	1.85E-01
RP1-290F12.3	-2.37	1.42E-01	1.85E-01
AP001412.1	-1.42	1.42E-01	1.85E-01
AC027612.1	1.00	1.42E-01	1.85E-01
G6796	-0.76	1.42E-01	1.85E-01
RNU6-833P	-1.86	1.42E-01	1.85E-01
PTH2R	1.11	1.42E-01	1.85E-01
G26809	-1.33	1.42E-01	1.85E-01
RP11-73M18.8	0.18	1.42E-01	1.85E-01
RNU6ATAC18P	-1.30	1.42E-01	1.85E-01
RNU1-67P	1.11	1.42E-01	1.85E-01
AC002480.3	1.28	1.42E-01	1.85E-01
RP11-274H2.3	-1.30	1.43E-01	1.85E-01
AP1S2	-0.25	1.43E-01	1.85E-01
ASB16-AS1	0.31	1.43E-01	1.85E-01
MIR4804	-1.93	1.43E-01	1.85E-01
ETV2	0.37	1.43E-01	1.86E-01
ESR1	-0.51	1.43E-01	1.86E-01
FGFR3	-0.27	1.43E-01	1.86E-01
XLOC_003839	-2.52	1.43E-01	1.86E-01
ATP6V1G1P4	-1.36	1.43E-01	1.86E-01
SIRT5	-0.21	1.43E-01	1.86E-01
CTD-3064M3.7	1.28	1.43E-01	1.86E-01
CHRNB2	-0.45	1.43E-01	1.86E-01
RNA5SP194	-2.20	1.43E-01	1.86E-01
AP3B1	-0.17	1.43E-01	1.86E-01
KIAA0319	0.44	1.43E-01	1.86E-01
NUTM2A-AS1	-0.42	1.43E-01	1.86E-01
NALCN	0.66	1.43E-01	1.86E-01
CSDE1	-0.19	1.43E-01	1.86E-01
VPS53	-0.21	1.44E-01	1.86E-01
AC006116.17	-1.88	1.44E-01	1.86E-01
RP13-228J13.5	-1.48	1.44E-01	1.86E-01
OGDH	0.17	1.44E-01	1.87E-01
RP11-468E2.5	0.80	1.44E-01	1.87E-01
C9orf50	1.50	1.44E-01	1.87E-01
XLOC_007690	0.58	1.44E-01	1.87E-01
CLCNKB	1.06	1.44E-01	1.87E-01

SEC22C	0.19	1.44E-01	1.87E-01
RP11-43F13.4	0.78	1.44E-01	1.87E-01
MCF2L2	-0.40	1.44E-01	1.87E-01
BCCIP	0.19	1.44E-01	1.87E-01
MIR5194	-1.58	1.44E-01	1.87E-01
AF196970.3	-2.28	1.44E-01	1.87E-01
RP5-903G2.2	0.71	1.44E-01	1.87E-01
RP11-159L20.2	-1.63	1.44E-01	1.87E-01
RP11-661A12.9	-0.78	1.44E-01	1.87E-01
XLOC_004229	-2.35	1.44E-01	1.87E-01
GOLGA1	-0.14	1.44E-01	1.87E-01
GART	0.16	1.44E-01	1.87E-01
RP11-10A14.3	0.89	1.44E-01	1.87E-01
XLOC_013499	0.42	1.45E-01	1.88E-01
KB-1125A3.12	-0.91	1.45E-01	1.88E-01
GAPDHP52	-1.22	1.45E-01	1.88E-01
NLRC5	-0.30	1.45E-01	1.88E-01
LINC01451	-0.93	1.45E-01	1.88E-01
RP11-485M7.3	0.67	1.45E-01	1.88E-01
GNRHR2	0.37	1.45E-01	1.88E-01
AC012442.6	-0.63	1.45E-01	1.88E-01
AC034243.1	-2.01	1.45E-01	1.88E-01
AATBC	-0.58	1.45E-01	1.88E-01
DPY19L1P1	-0.37	1.45E-01	1.88E-01
RP11-462G2.2	-1.79	1.45E-01	1.88E-01
GPR171	-0.79	1.45E-01	1.88E-01
RPS19P3	0.80	1.45E-01	1.88E-01
SLCO4A1	-0.30	1.45E-01	1.89E-01
RP11-5N11.5	-2.24	1.45E-01	1.89E-01
KAT8	0.17	1.45E-01	1.89E-01
NAALADL2-AS2	-1.83	1.46E-01	1.89E-01
AC012363.8	-1.33	1.46E-01	1.89E-01
YME1L1	-0.18	1.46E-01	1.89E-01
HIST2H2BC	-0.59	1.46E-01	1.89E-01
NBPF2P	-0.73	1.46E-01	1.89E-01
XRCC6P2	-1.46	1.46E-01	1.89E-01
MIR581	-1.39	1.46E-01	1.89E-01
RP11-230B22.1	-0.78	1.46E-01	1.89E-01
HNRNPA3P12	-1.62	1.46E-01	1.89E-01
G12287	-0.92	1.46E-01	1.89E-01
USP9Y	-1.53	1.46E-01	1.89E-01
RP11-1277A3.1	0.43	1.46E-01	1.89E-01
POLR2KP1	-1.35	1.46E-01	1.89E-01
SYTL1	0.30	1.46E-01	1.89E-01
RP11-561N12.5	-1.34	1.46E-01	1.90E-01

KIF25	0.82	1.46E-01	1.90E-01
RP11-387H17.4	-0.80	1.46E-01	1.90E-01
C15orf54	1.08	1.46E-01	1.90E-01
SYNGR1	0.25	1.46E-01	1.90E-01
MIR378A	-1.79	1.46E-01	1.90E-01
AC010890.1	-0.85	1.47E-01	1.90E-01
WDR37	0.15	1.47E-01	1.90E-01
RGP1	-0.14	1.47E-01	1.90E-01
HLA-T	-2.22	1.47E-01	1.90E-01
FAM21C	0.18	1.47E-01	1.90E-01
MROH9	-0.97	1.47E-01	1.90E-01
EAPP	0.26	1.47E-01	1.90E-01
RP11-366L20.2	1.04	1.47E-01	1.90E-01
INMT	0.52	1.47E-01	1.90E-01
ARMCX1	0.27	1.47E-01	1.90E-01
SFI1	-0.28	1.47E-01	1.90E-01
RP11-349N19.2	1.28	1.47E-01	1.91E-01
CALM2P3	-1.69	1.47E-01	1.91E-01
FBXL18	0.29	1.47E-01	1.91E-01
G24100	-0.91	1.47E-01	1.91E-01
XLOC_004195	-0.66	1.47E-01	1.91E-01
L1TD1	1.33	1.47E-01	1.91E-01
ABHD3	-0.26	1.48E-01	1.91E-01
MKRN2	0.16	1.48E-01	1.91E-01
IFNAR1	-0.16	1.48E-01	1.91E-01
ZKSCAN5	0.11	1.48E-01	1.91E-01
AC004840.8	-1.73	1.48E-01	1.91E-01
LARS2	0.15	1.48E-01	1.91E-01
CTD-2002J20.1	-1.01	1.48E-01	1.91E-01
XXbac-BPG299F13.14	-1.44	1.48E-01	1.91E-01
RP11-553A21.3	-0.39	1.48E-01	1.92E-01
AC115522.3	-0.38	1.48E-01	1.92E-01
LINC01411	1.05	1.48E-01	1.92E-01
TCHP	-0.22	1.48E-01	1.92E-01
RP11-283G6.4	-0.54	1.48E-01	1.92E-01
MRPS22	-0.16	1.48E-01	1.92E-01
RP11-114H23.1	-1.60	1.48E-01	1.92E-01
RP11-809N8.4	1.37	1.48E-01	1.92E-01
RP3-400B16.1	0.85	1.48E-01	1.92E-01
LINC00518	-0.69	1.49E-01	1.92E-01
TRAF1	-0.34	1.49E-01	1.92E-01
GALNT13	-0.74	1.49E-01	1.92E-01
XCL2	1.38	1.49E-01	1.92E-01
BTBD7P1	-0.90	1.49E-01	1.92E-01
RP11-200A1.1	-1.26	1.49E-01	1.92E-01

PNO1	-0.21	1.49E-01	1.92E-01
RP11-368J21.3	1.26	1.49E-01	1.92E-01
G27536	-1.14	1.49E-01	1.93E-01
SPOCK3	-2.20	1.49E-01	1.93E-01
SPIN2B	0.28	1.49E-01	1.93E-01
RP3-510O8.4	-1.42	1.49E-01	1.93E-01
LYRM5	-0.29	1.49E-01	1.93E-01
RSAD2	0.97	1.49E-01	1.93E-01
KIF23	-0.29	1.49E-01	1.93E-01
TAOK3	0.12	1.49E-01	1.93E-01
PSMA6P2	-1.52	1.49E-01	1.93E-01
AC024084.1	-2.17	1.50E-01	1.93E-01
RP11-358B23.6	-1.09	1.50E-01	1.93E-01
KRTAP3-1	-2.56	1.50E-01	1.93E-01
CTB-39G8.3	-1.15	1.50E-01	1.93E-01
KIF5C	-0.41	1.50E-01	1.93E-01
AC002310.14	0.36	1.50E-01	1.94E-01
STRIP1	0.13	1.50E-01	1.94E-01
SNRPE	0.27	1.50E-01	1.94E-01
ADK	-0.22	1.50E-01	1.94E-01
RP11-677M14.7	-0.61	1.50E-01	1.94E-01
AF131215.8	-0.55	1.50E-01	1.94E-01
CCDC108	-1.63	1.50E-01	1.94E-01
RP11-1182P23.5	-1.61	1.50E-01	1.94E-01
POLR1E	0.17	1.50E-01	1.94E-01
KLF14	-1.15	1.50E-01	1.94E-01
RP11-44M6.7	0.94	1.50E-01	1.94E-01
AC156455.1	1.00	1.50E-01	1.94E-01
CTD-3162L10.1	-0.77	1.50E-01	1.94E-01
LINC00520	1.12	1.50E-01	1.94E-01
LINC01239	-1.13	1.50E-01	1.94E-01
RP11-84C10.2	-1.05	1.50E-01	1.94E-01
MOG	-2.45	1.50E-01	1.94E-01
SEPT7-AS1	0.36	1.51E-01	1.94E-01
G35131	1.46	1.51E-01	1.95E-01
LINC00113	-1.31	1.51E-01	1.95E-01
TUBA1A	0.28	1.51E-01	1.95E-01
BCL2L14	-0.72	1.51E-01	1.95E-01
XLOC_011980	5.73	1.51E-01	1.95E-01
TADA2A	-0.19	1.51E-01	1.95E-01
RP11-806O11.1	-0.95	1.51E-01	1.95E-01
COG2	-0.10	1.51E-01	1.95E-01
CCNB2	0.30	1.51E-01	1.95E-01
RP11-146F11.5	-0.95	1.51E-01	1.95E-01
LINC01343	0.64	1.51E-01	1.95E-01

ZNF2	-0.21	1.51E-01	1.95E-01
RP11-736K20.4	0.65	1.51E-01	1.95E-01
RP5-1148A21.3	0.34	1.51E-01	1.95E-01
CTSE	-1.24	1.51E-01	1.95E-01
RP11-338N10.3	-1.95	1.51E-01	1.95E-01
ZBP1	0.91	1.51E-01	1.95E-01
PCDHB12	0.47	1.51E-01	1.95E-01
RP11-217B1.2	-0.69	1.51E-01	1.95E-01
SEC61A2	-0.36	1.51E-01	1.95E-01
SPTB	-0.45	1.51E-01	1.95E-01
ADAMTS6	0.56	1.51E-01	1.95E-01
MYOM1	0.49	1.51E-01	1.95E-01
ATOH7	1.06	1.51E-01	1.95E-01
C18orf63	-2.20	1.51E-01	1.95E-01
RP11-432F4.2	-1.71	1.51E-01	1.95E-01
DLX3	0.36	1.52E-01	1.96E-01
OR8R1P	-1.87	1.52E-01	1.96E-01
MROH3P	-0.77	1.52E-01	1.96E-01
PSMB2	0.21	1.52E-01	1.96E-01
KMT2D	-0.38	1.52E-01	1.96E-01
PTPRD-AS1	1.31	1.52E-01	1.96E-01
SLIT2	0.55	1.52E-01	1.96E-01
RP11-38M8.1	1.44	1.52E-01	1.96E-01
G3630	0.45	1.52E-01	1.96E-01
G23016	-1.06	1.52E-01	1.96E-01
AQP6	1.39	1.52E-01	1.96E-01
HNRNPH1	-0.25	1.52E-01	1.96E-01
SHCBP1	0.33	1.52E-01	1.96E-01
OXCT2	-0.75	1.52E-01	1.96E-01
ADAM10	-0.17	1.52E-01	1.96E-01
AACSP1	0.97	1.52E-01	1.96E-01
A1BG	-1.36	1.52E-01	1.96E-01
METTL17	0.27	1.52E-01	1.96E-01
RP4-584D14.6	-1.67	1.52E-01	1.96E-01
IDI1	-0.41	1.52E-01	1.96E-01
LNP1	0.41	1.52E-01	1.97E-01
G30008	1.31	1.53E-01	1.97E-01
TPSG1	-1.06	1.53E-01	1.97E-01
RP11-553A10.1	1.09	1.53E-01	1.97E-01
XRCC4	0.26	1.53E-01	1.97E-01
RP11-264B17.2	-0.75	1.53E-01	1.97E-01
RRP36	0.20	1.53E-01	1.97E-01
RP11-619A14.3	1.05	1.53E-01	1.97E-01
RABIF	0.22	1.53E-01	1.97E-01
RP11-529K1.2	-0.51	1.53E-01	1.97E-01

MGARP	-1.16	1.53E-01	1.97E-01
MYLK4	-0.32	1.53E-01	1.97E-01
RP11-50C13.1	-0.42	1.53E-01	1.97E-01
LENG8-AS1	-0.48	1.53E-01	1.97E-01
TOM1L2	0.26	1.53E-01	1.97E-01
USP10	-0.12	1.53E-01	1.97E-01
LINC01191	-1.63	1.53E-01	1.97E-01
AC046143.2	-0.90	1.53E-01	1.97E-01
KRTAP19-5	-3.67	1.53E-01	1.97E-01
VPS52	0.19	1.53E-01	1.98E-01
C14orf37	-0.27	1.53E-01	1.98E-01
GPR65	0.75	1.53E-01	1.98E-01
MEAF6	0.16	1.53E-01	1.98E-01
CTD-2270L9.4	1.09	1.53E-01	1.98E-01
ZEB1	0.46	1.53E-01	1.98E-01
LINC00302	0.54	1.53E-01	1.98E-01
G35720	1.10	1.54E-01	1.98E-01
RP11-326N17.2	-1.98	1.54E-01	1.98E-01
FRMPD3	-0.80	1.54E-01	1.98E-01
AGAP1	0.20	1.54E-01	1.98E-01
IGBP1-AS2	-1.46	1.54E-01	1.98E-01
IGLV1-40	2.73	1.54E-01	1.98E-01
LMO3	-0.73	1.54E-01	1.98E-01
RPL13AP25	-0.32	1.54E-01	1.98E-01
ALOX5	0.44	1.54E-01	1.98E-01
RP4-601P9.2	-1.47	1.54E-01	1.98E-01
LINC01336	-0.51	1.54E-01	1.98E-01
NKRF	-0.16	1.54E-01	1.98E-01
NOL4	-1.33	1.54E-01	1.98E-01
RP11-107N15.1	0.83	1.54E-01	1.98E-01
G41319	0.38	1.54E-01	1.98E-01
RP11-294N21.3	-1.37	1.54E-01	1.99E-01
XLOC_009705	-1.62	1.54E-01	1.99E-01
CCNI2	-0.74	1.54E-01	1.99E-01
C19orf35	0.79	1.54E-01	1.99E-01
ZNF266	-0.21	1.54E-01	1.99E-01
RAB11B-AS1	0.34	1.55E-01	1.99E-01
RP11-159M11.2	-1.12	1.55E-01	1.99E-01
RANP8	-1.47	1.55E-01	1.99E-01
WWOX	0.20	1.55E-01	1.99E-01
NUS1	0.28	1.55E-01	1.99E-01
SNW1	0.19	1.55E-01	1.99E-01
FUT4	0.39	1.55E-01	1.99E-01
HMCN1	-0.51	1.55E-01	1.99E-01
RP11-467I17.1	1.41	1.55E-01	1.99E-01

RP11-711K1.8	-2.22	1.55E-01	2.00E-01
SIGLEC15	0.64	1.55E-01	2.00E-01
GCGR	1.00	1.55E-01	2.00E-01
SNX15	-0.64	1.55E-01	2.00E-01
C14orf169	0.21	1.55E-01	2.00E-01
LGALS7	1.39	1.55E-01	2.00E-01
HLA-DOA	0.53	1.55E-01	2.00E-01
NDUFA6-AS1	-0.38	1.56E-01	2.00E-01
LPO	-1.45	1.56E-01	2.00E-01
CTD-2555C10.3	0.78	1.56E-01	2.00E-01
GALNT16	-0.52	1.56E-01	2.00E-01
PON2	-0.18	1.56E-01	2.00E-01
CBLN1	1.39	1.56E-01	2.00E-01
PPP1R21	-0.17	1.56E-01	2.00E-01
LETM1	-0.20	1.56E-01	2.00E-01
CAMK1G	0.90	1.56E-01	2.00E-01
TJP3	0.36	1.56E-01	2.00E-01
KRT27	-2.09	1.56E-01	2.00E-01
FERMT1	-0.22	1.56E-01	2.00E-01
KRT87P	1.41	1.56E-01	2.00E-01
LINC01352	0.97	1.56E-01	2.00E-01
MTND4P12	-1.19	1.56E-01	2.00E-01
AP000692.9	0.57	1.56E-01	2.01E-01
AC105339.1	-1.89	1.56E-01	2.01E-01
CTD-2192J16.11	1.03	1.56E-01	2.01E-01
CCL16	1.31	1.56E-01	2.01E-01
CTC-559E9.1	-0.37	1.56E-01	2.01E-01
AC068580.5	0.60	1.56E-01	2.01E-01
RP11-738E22.3	-0.58	1.56E-01	2.01E-01
ADGRD2	-0.89	1.56E-01	2.01E-01
CAD	0.19	1.57E-01	2.01E-01
KIAA0907	-0.35	1.57E-01	2.01E-01
OLFML2A	0.21	1.57E-01	2.01E-01
SYT15	-0.39	1.57E-01	2.01E-01
EWSAT1	-0.90	1.57E-01	2.01E-01
RP11-302K17.3	-1.80	1.57E-01	2.02E-01
PHACTR3	-0.53	1.57E-01	2.02E-01
KCNMA1-AS3	-1.96	1.57E-01	2.02E-01
RP5-907C10.3	-0.51	1.57E-01	2.02E-01
RP4-575N6.5	1.46	1.57E-01	2.02E-01
CAMK2A	-0.53	1.57E-01	2.02E-01
ANXA8L1	-0.60	1.57E-01	2.02E-01
RP11-514P8.2	-1.39	1.57E-01	2.02E-01
EMX2OS	-0.37	1.57E-01	2.02E-01
AC144449.1	-1.32	1.57E-01	2.02E-01

CTB-37A13.1	-1.96	1.57E-01	2.02E-01
RP3-527G5.1	1.41	1.57E-01	2.02E-01
ARL4AP2	-1.06	1.57E-01	2.02E-01
AP1M2	0.26	1.57E-01	2.02E-01
XLOC_010439	-1.68	1.57E-01	2.02E-01
OSER1-AS1	0.26	1.58E-01	2.02E-01
AGAP7P	1.41	1.58E-01	2.03E-01
URAHP	0.82	1.58E-01	2.03E-01
KRTAP10-2	-2.34	1.58E-01	2.03E-01
AGBL5-AS1	1.20	1.58E-01	2.03E-01
SLC26A9	0.42	1.58E-01	2.03E-01
CTD-2201I18.1	-0.76	1.58E-01	2.03E-01
PAFAH2	-0.25	1.58E-01	2.03E-01
RP11-95I16.4	-1.49	1.58E-01	2.03E-01
RN7SL80P	-1.82	1.58E-01	2.03E-01
ZMAT4	1.84	1.58E-01	2.03E-01
APOE	0.38	1.59E-01	2.04E-01
NME2	0.51	1.59E-01	2.04E-01
AC013463.2	-1.09	1.59E-01	2.04E-01
ALDH1A1	-0.48	1.59E-01	2.04E-01
FOCAD-AS1	-1.22	1.59E-01	2.04E-01
AC004947.2	0.82	1.59E-01	2.04E-01
PKNOX1	0.18	1.59E-01	2.04E-01
FBXW8	0.18	1.59E-01	2.04E-01
SPRR2F	1.61	1.59E-01	2.04E-01
RP3-393E18.2	1.14	1.59E-01	2.04E-01
AC092652.1	-1.14	1.59E-01	2.05E-01
HMGN1P28	-2.05	1.59E-01	2.05E-01
MAPT	-0.47	1.60E-01	2.05E-01
NANOGNBP3	0.89	1.60E-01	2.05E-01
RP11-613M10.6	0.25	1.60E-01	2.05E-01
RP5-1065P14.2	1.97	1.60E-01	2.05E-01
RP13-631K18.3	-1.39	1.60E-01	2.05E-01
KRTAP5-8	-1.76	1.60E-01	2.05E-01
EFR3B	0.44	1.60E-01	2.05E-01
RP5-1057I20.2	0.75	1.60E-01	2.05E-01
RP4-798A10.7	-0.82	1.60E-01	2.05E-01
RN7SL775P	-1.06	1.60E-01	2.05E-01
RP11-881L2.1	-0.72	1.60E-01	2.05E-01
G32307	-1.00	1.60E-01	2.05E-01
TMPRSS12	0.91	1.60E-01	2.05E-01
ST13P6	-0.82	1.60E-01	2.06E-01
TMEM106C	-0.20	1.61E-01	2.06E-01
RP5-1107A17.4	-0.93	1.61E-01	2.06E-01
RP11-367G18.2	-1.67	1.61E-01	2.06E-01

Gene	Value	p	q
ULK4P2	-1.33	1.61E-01	2.06E-01
TTC9B	0.79	1.61E-01	2.06E-01
RP11-989E6.13	0.76	1.61E-01	2.06E-01
RP11-399K21.14	0.86	1.61E-01	2.06E-01
AIDA	0.16	1.61E-01	2.06E-01
EXTL2	-0.25	1.61E-01	2.06E-01
OLFML1	0.54	1.61E-01	2.06E-01
CTB-113D17.1	-0.75	1.61E-01	2.06E-01
TNFAIP3	0.31	1.61E-01	2.06E-01
CTD-2382E5.6	-0.87	1.61E-01	2.06E-01
C1orf134	0.36	1.61E-01	2.06E-01
NR4A3	-0.49	1.61E-01	2.06E-01
SH3BGRL	0.26	1.61E-01	2.06E-01
SSUH2	0.92	1.61E-01	2.06E-01
G35542	-1.23	1.61E-01	2.07E-01
CDT1	0.27	1.61E-01	2.07E-01
OR7C1	-1.09	1.62E-01	2.07E-01
RP11-334C17.5	-0.61	1.62E-01	2.07E-01
RP11-147L13.2	0.94	1.62E-01	2.07E-01
RP5-858L17.1	-0.60	1.62E-01	2.07E-01
MIR200C	-1.72	1.62E-01	2.07E-01
RP11-713C5.1	-1.25	1.62E-01	2.08E-01
LRRC1	-0.21	1.62E-01	2.08E-01
HMGB3P22	-0.85	1.62E-01	2.08E-01
VILL	0.23	1.62E-01	2.08E-01
LINC01224	-0.65	1.62E-01	2.08E-01
G35130	1.22	1.62E-01	2.08E-01
RP11-433J8.1	-1.21	1.63E-01	2.08E-01
CYP2D6	-0.60	1.63E-01	2.08E-01
TANGO6	0.19	1.63E-01	2.08E-01
CTC-529P8.1	-1.08	1.63E-01	2.08E-01
RP11-378A12.1	-0.85	1.63E-01	2.08E-01
RP11-632F7.3	-1.55	1.63E-01	2.08E-01
TUBA3FP	1.24	1.63E-01	2.08E-01
XLOC_012692	0.38	1.63E-01	2.08E-01
ARID3C	-0.81	1.63E-01	2.08E-01
SLC10A2	-1.56	1.63E-01	2.08E-01
RP11-12A2.1	1.34	1.63E-01	2.09E-01
SNCAIP	0.50	1.63E-01	2.09E-01
APBB2	-0.17	1.63E-01	2.09E-01
RP5-1185I7.1	1.30	1.63E-01	2.09E-01
PAX1	1.55	1.63E-01	2.09E-01
XLOC_014271	-0.82	1.63E-01	2.09E-01
RP11-342I1.2	-0.67	1.63E-01	2.09E-01
IL17RA	0.17	1.64E-01	2.09E-01

EEF1DP7	-0.76	1.64E-01	2.09E-01
SVIL-AS1	0.18	1.64E-01	2.09E-01
KCTD1	0.27	1.64E-01	2.09E-01
RP11-136C24.3	0.90	1.64E-01	2.09E-01
C4orf32	0.28	1.64E-01	2.10E-01
CSDAP1	-1.99	1.64E-01	2.10E-01
G39827	1.17	1.64E-01	2.10E-01
RP11-610J23.1	-1.86	1.64E-01	2.10E-01
RP11-311H10.4	-1.83	1.64E-01	2.10E-01
CAV3	-1.94	1.64E-01	2.10E-01
SPC24	-0.30	1.64E-01	2.10E-01
RP4-612C19.1	-1.77	1.64E-01	2.10E-01
AC138035.2	-0.82	1.64E-01	2.10E-01
RP11-83A24.1	-0.75	1.64E-01	2.10E-01
ARMC1	-0.20	1.64E-01	2.10E-01
SDHAF2	0.19	1.64E-01	2.10E-01
RNU6-703P	1.51	1.64E-01	2.10E-01
AC010761.8	-0.34	1.65E-01	2.10E-01
RP11-442J21.2	1.71	1.65E-01	2.10E-01
WDR27	-0.38	1.65E-01	2.11E-01
CTD-2530H12.4	1.11	1.65E-01	2.11E-01
AL022344.7	1.02	1.65E-01	2.11E-01
FTH1P2	0.88	1.65E-01	2.11E-01
RP11-229P13.25	-0.99	1.65E-01	2.11E-01
G113	1.44	1.65E-01	2.11E-01
CTD-2002H8.2	-0.52	1.65E-01	2.11E-01
PLA2G10	-0.83	1.65E-01	2.11E-01
HLA-DRB5	-1.42	1.65E-01	2.11E-01
EIF4EP2	-0.67	1.65E-01	2.11E-01
RP11-795F19.5	-0.76	1.65E-01	2.11E-01
RP11-454C18.1	-1.05	1.65E-01	2.11E-01
G11342	-0.78	1.65E-01	2.11E-01
SPDYC	-1.59	1.66E-01	2.12E-01
MED4	-0.16	1.66E-01	2.12E-01
CCER2	1.24	1.66E-01	2.12E-01
CTD-2538C1.2	-0.81	1.66E-01	2.12E-01
RNU7-162P	-1.46	1.66E-01	2.12E-01
CTC-338M12.4	0.44	1.66E-01	2.12E-01
RN7SL277P	-1.59	1.66E-01	2.12E-01
RP5-1009E24.8	1.05	1.66E-01	2.13E-01
AC068831.16	-0.52	1.66E-01	2.13E-01
RASSF5	-0.26	1.66E-01	2.13E-01
GGT6	-0.24	1.67E-01	2.13E-01
RP11-536C12.1	-0.94	1.67E-01	2.13E-01
SMIM11B	-1.17	1.67E-01	2.13E-01

PSPHP1	3.29	1.67E-01	2.13E-01
SLC6A20	0.76	1.67E-01	2.13E-01
RP11-529A4.7	2.07	1.67E-01	2.13E-01
GPBAR1	-0.58	1.67E-01	2.13E-01
SMG1P2	0.33	1.67E-01	2.13E-01
MAP3K14-AS1	-0.54	1.67E-01	2.13E-01
SVEP1	-0.72	1.67E-01	2.13E-01
RP1-20C7.6	-0.90	1.67E-01	2.13E-01
FBXO15	0.80	1.67E-01	2.13E-01
CTC-563A5.2	-1.89	1.67E-01	2.13E-01
RP11-359K18.4	0.67	1.67E-01	2.13E-01
RP11-79P5.10	-1.86	1.67E-01	2.13E-01
CLU	0.52	1.67E-01	2.14E-01
RP13-36G14.3	-1.68	1.67E-01	2.14E-01
MIR635	0.53	1.67E-01	2.14E-01
COX18	-0.14	1.68E-01	2.14E-01
AC092291.1	-2.21	1.68E-01	2.14E-01
CTD-2228K2.7	0.61	1.68E-01	2.14E-01
IKBKGP1	1.11	1.68E-01	2.14E-01
CTB-191K22.6	-1.14	1.68E-01	2.14E-01
MUC1	1.28	1.68E-01	2.14E-01
ADAM28	0.51	1.68E-01	2.14E-01
CDH2	-0.69	1.68E-01	2.14E-01
RP11-329B9.3	1.09	1.68E-01	2.14E-01
TP53TG3D	1.30	1.68E-01	2.15E-01
AGMO	-0.86	1.68E-01	2.15E-01
RNA5SP159	-1.94	1.68E-01	2.15E-01
RPL9P3	-2.00	1.68E-01	2.15E-01
RP1-199J3.6	1.19	1.68E-01	2.15E-01
HNRNPA1P27	-0.48	1.68E-01	2.15E-01
TNNC2	0.43	1.68E-01	2.15E-01
IGKV2-28	2.65	1.68E-01	2.15E-01
LINC01563	1.47	1.68E-01	2.15E-01
MAPK10	-0.44	1.69E-01	2.15E-01
RPL37P3	-1.26	1.69E-01	2.15E-01
DUSP2	0.32	1.69E-01	2.15E-01
ASPH	-0.19	1.69E-01	2.15E-01
CTD-2132N18.4	0.81	1.69E-01	2.15E-01
RPSAP70	0.96	1.69E-01	2.15E-01
GALNT3	-0.23	1.69E-01	2.15E-01
ASB9	0.44	1.69E-01	2.15E-01
CTD-2006M22.2	0.83	1.69E-01	2.16E-01
CTD-2538C1.3	-1.29	1.69E-01	2.16E-01
TPSD1	1.48	1.69E-01	2.16E-01
PTPRH	-0.55	1.69E-01	2.16E-01

ZDHHC5	0.19	1.69E-01	2.16E-01
FAM228B	0.26	1.69E-01	2.16E-01
RP11-379H18.1	-0.22	1.69E-01	2.16E-01
RP11-285G1.2	-1.41	1.69E-01	2.16E-01
TEF	0.42	1.69E-01	2.16E-01
POP4	0.20	1.69E-01	2.16E-01
G25761	-1.03	1.69E-01	2.16E-01
TMEM178B	-0.48	1.70E-01	2.16E-01
RP11-973D8.5	-1.00	1.70E-01	2.16E-01
DACH2	-1.12	1.70E-01	2.16E-01
EMC3-AS1	-0.38	1.70E-01	2.16E-01
CD70	-0.88	1.70E-01	2.16E-01
G24602	-1.47	1.70E-01	2.17E-01
LSM6	0.18	1.70E-01	2.17E-01
NAPB	-0.16	1.70E-01	2.17E-01
G26856	-0.68	1.70E-01	2.17E-01
RP6-74O6.6	-0.66	1.70E-01	2.17E-01
CATSPER3	1.02	1.70E-01	2.17E-01
RNF43	-0.24	1.70E-01	2.17E-01
CACNG4	1.26	1.70E-01	2.17E-01
AC004448.5	1.35	1.70E-01	2.17E-01
RP11-775B15.2	-1.59	1.70E-01	2.17E-01
PPID	-0.22	1.70E-01	2.17E-01
C22orf24	-1.39	1.71E-01	2.17E-01
TTTY15	-1.09	1.71E-01	2.17E-01
XLOC_008786	-2.25	1.71E-01	2.17E-01
TRH	-1.39	1.71E-01	2.17E-01
PIP4K2A	0.25	1.71E-01	2.17E-01
SDCBP	0.25	1.71E-01	2.17E-01
TXLNGY	-1.47	1.71E-01	2.18E-01
CTD-2192J16.21	-0.88	1.71E-01	2.18E-01
BCAS3	-0.15	1.71E-01	2.18E-01
RP11-136K14.1	-1.29	1.71E-01	2.18E-01
RP13-884E18.4	-1.69	1.71E-01	2.18E-01
TFAP2E	0.35	1.71E-01	2.18E-01
C11orf70	-0.32	1.72E-01	2.18E-01
RP11-627G18.1	-2.04	1.72E-01	2.18E-01
RP3-460G2.2	-1.68	1.72E-01	2.18E-01
KLF5	-0.28	1.72E-01	2.19E-01
BDNF-AS	-0.33	1.72E-01	2.19E-01
AL137059.1	-0.70	1.72E-01	2.19E-01
IGFL1P1	0.77	1.72E-01	2.19E-01
ENSAP2	-1.22	1.72E-01	2.19E-01
RP11-404P21.3	-1.46	1.72E-01	2.19E-01
ESD	0.23	1.72E-01	2.19E-01

C8orf48	-0.41	1.72E-01	2.19E-01
CARD17	-0.54	1.72E-01	2.19E-01
XLOC_014104	-0.46	1.72E-01	2.19E-01
RP11-565F19.4	-0.96	1.72E-01	2.19E-01
RP4-669P10.19	-1.28	1.72E-01	2.19E-01
RP5-857K21.4	-1.40	1.73E-01	2.19E-01
AGPAT4-IT1	0.72	1.73E-01	2.20E-01
AC005532.5	-0.81	1.73E-01	2.20E-01
HNRNPA1P22	-1.89	1.73E-01	2.20E-01
PHKA2	-0.23	1.73E-01	2.20E-01
TTPA	1.32	1.73E-01	2.20E-01
CTD-3035K23.6	-1.55	1.73E-01	2.20E-01
MSANTD1	-0.59	1.73E-01	2.20E-01
FKSG61	-1.44	1.73E-01	2.20E-01
ARL6IP4	0.84	1.73E-01	2.20E-01
RP11-80I15.1	-0.79	1.73E-01	2.20E-01
C2orf68	0.14	1.73E-01	2.20E-01
CNIH1	-0.20	1.73E-01	2.20E-01
ICT1	0.23	1.73E-01	2.20E-01
RP11-165E7.1	-1.26	1.73E-01	2.20E-01
AC016999.2	-0.93	1.73E-01	2.20E-01
CALCOCO2	-0.14	1.73E-01	2.20E-01
CNPY2	-0.35	1.73E-01	2.20E-01
RP11-491H19.1	-1.94	1.73E-01	2.20E-01
ROPN1B	0.55	1.73E-01	2.20E-01
UCN2	0.46	1.73E-01	2.20E-01
RP11-45M22.4	-1.45	1.73E-01	2.20E-01
SRP9	-0.26	1.73E-01	2.20E-01
GCOM1	-0.46	1.74E-01	2.21E-01
RP11-384K6.8	-1.34	1.74E-01	2.21E-01
XLOC_001242	-1.22	1.74E-01	2.21E-01
JRKL	-0.20	1.74E-01	2.21E-01
ARHGAP20	0.52	1.74E-01	2.21E-01
PCDH15	-1.27	1.74E-01	2.21E-01
CSNK2A1	-0.17	1.74E-01	2.21E-01
SLC16A12	0.72	1.74E-01	2.21E-01
RP11-307C12.12	-1.23	1.74E-01	2.21E-01
FAM104B	0.22	1.74E-01	2.21E-01
LINC01250	-2.29	1.74E-01	2.21E-01
MYLK2	1.52	1.74E-01	2.21E-01
LINC01402	-1.41	1.74E-01	2.21E-01
CTB-55O6.12	0.42	1.74E-01	2.21E-01
LINC01089	-0.50	1.74E-01	2.21E-01
CTD-2193G5.1	-1.32	1.74E-01	2.21E-01
AC093627.8	1.63	1.74E-01	2.22E-01

RP11-498E2.9	-0.33	1.75E-01	2.22E-01
RP1-286D6.5	-0.51	1.75E-01	2.22E-01
RAB5CP2	-1.69	1.75E-01	2.22E-01
GKAP1	-0.32	1.75E-01	2.22E-01
MECR	0.29	1.75E-01	2.22E-01
RP11-259P15.4	-1.37	1.75E-01	2.22E-01
LRRC38	1.59	1.75E-01	2.22E-01
SERPINC1	-1.10	1.75E-01	2.22E-01
SPIRE2	0.53	1.75E-01	2.22E-01
SMIM22	0.89	1.75E-01	2.22E-01
NUTM2E	1.19	1.75E-01	2.22E-01
COL5A1-AS1	-1.75	1.75E-01	2.22E-01
RP11-530A18.1	-1.37	1.75E-01	2.22E-01
CABP7	-1.13	1.75E-01	2.22E-01
MLIP-IT1	-0.50	1.75E-01	2.22E-01
ZNF674-AS1	-0.29	1.75E-01	2.23E-01
TNIK	-0.36	1.75E-01	2.23E-01
IRS2	-0.24	1.76E-01	2.23E-01
AC083899.3	0.44	1.76E-01	2.23E-01
KB-1562D12.1	-0.38	1.76E-01	2.23E-01
RP11-560J1.2	0.44	1.76E-01	2.23E-01
GBA3	-1.72	1.76E-01	2.23E-01
RP11-419C23.1	1.75	1.76E-01	2.23E-01
EIF2S2P4	-0.48	1.76E-01	2.23E-01
G8456	0.78	1.76E-01	2.23E-01
G41767	-1.22	1.76E-01	2.23E-01
RP11-20B7.1	1.19	1.76E-01	2.24E-01
LINC00476	0.27	1.76E-01	2.24E-01
CCDC89	-0.41	1.76E-01	2.24E-01
NDST2	-0.48	1.76E-01	2.24E-01
ETV6	0.18	1.76E-01	2.24E-01
DHCR7	0.38	1.77E-01	2.24E-01
XLOC_008935	1.07	1.77E-01	2.24E-01
KRT83	-2.59	1.77E-01	2.24E-01
ALG1L7P	-1.06	1.77E-01	2.24E-01
LPP-AS2	0.26	1.77E-01	2.24E-01
G32333	0.98	1.77E-01	2.24E-01
RNU6-310P	-1.65	1.77E-01	2.24E-01
RP11-169E6.1	-0.74	1.77E-01	2.25E-01
LARS2-AS1	-0.93	1.77E-01	2.25E-01
AC067742.1	-1.82	1.77E-01	2.25E-01
SLC6A16	0.55	1.77E-01	2.25E-01
RP11-216B9.6	-0.44	1.77E-01	2.25E-01
CTC-559E9.9	1.08	1.77E-01	2.25E-01
RP11-367E12.4	-0.66	1.77E-01	2.25E-01

RP11-850A17.1	1.10	1.77E-01	2.25E-01
RN7SL181P	0.64	1.77E-01	2.25E-01
MLXIPL	0.86	1.77E-01	2.25E-01
AC140479.1	1.16	1.78E-01	2.25E-01
RP11-674N23.4	-1.64	1.78E-01	2.25E-01
RP13-580F15.2	0.87	1.78E-01	2.25E-01
CFL2	0.33	1.78E-01	2.25E-01
TMEM132D	-1.19	1.78E-01	2.25E-01
SUCLG2-AS1	-0.48	1.78E-01	2.25E-01
BMPER	0.79	1.78E-01	2.25E-01
AL669831.1	-1.64	1.78E-01	2.25E-01
RSPH10B2	-1.66	1.78E-01	2.25E-01
RP13-714J12.1	-1.18	1.78E-01	2.25E-01
FAM98B	0.21	1.78E-01	2.25E-01
RP11-773H22.4	-1.02	1.78E-01	2.26E-01
RP11-396C23.2	0.42	1.78E-01	2.26E-01
SRSF9P1	0.83	1.78E-01	2.26E-01
ABCA9	-0.60	1.78E-01	2.26E-01
TMED4	-0.13	1.78E-01	2.26E-01
HDX	-0.38	1.78E-01	2.26E-01
BORCS5	-0.23	1.78E-01	2.26E-01
RP11-87H9.2	0.33	1.78E-01	2.26E-01
TASP1	-0.12	1.78E-01	2.26E-01
LDHAP4	0.50	1.78E-01	2.26E-01
FAM122C	0.27	1.78E-01	2.26E-01
TSTD3	-0.39	1.79E-01	2.26E-01
PKLR	-1.00	1.79E-01	2.26E-01
C16orf54	-0.60	1.79E-01	2.26E-01
LINC00607	-0.74	1.79E-01	2.26E-01
RP4-604G5.3	1.16	1.79E-01	2.26E-01
RP11-402G3.5	-1.64	1.79E-01	2.27E-01
RP11-671M22.4	-1.78	1.79E-01	2.27E-01
RNU6-653P	-2.05	1.79E-01	2.27E-01
TCEAL7	0.56	1.79E-01	2.27E-01
FNBP1L	-0.19	1.79E-01	2.27E-01
CRACR2A	0.73	1.79E-01	2.27E-01
TRGV5	1.23	1.79E-01	2.27E-01
OR2A13P	-1.48	1.79E-01	2.27E-01
TXNRD1	0.22	1.79E-01	2.27E-01
ATP9A	0.21	1.79E-01	2.27E-01
RP5-1024G6.5	-0.56	1.79E-01	2.27E-01
MIPEPP1	-1.75	1.79E-01	2.27E-01
NBPF11	-0.45	1.80E-01	2.27E-01
NDUFA10	0.16	1.80E-01	2.28E-01
AC005082.1	-1.19	1.80E-01	2.28E-01

RP11-667M19.10	1.09	1.80E-01	2.28E-01
TBC1D2B	0.19	1.80E-01	2.28E-01
PDCD11	-0.17	1.80E-01	2.28E-01
GABRA2	-1.05	1.80E-01	2.28E-01
RP4-737E23.6	1.25	1.80E-01	2.28E-01
FUT6	1.04	1.80E-01	2.28E-01
RP4-545C24.1	-0.64	1.80E-01	2.28E-01
SMIM24	1.23	1.80E-01	2.28E-01
SLC25A20	0.35	1.80E-01	2.28E-01
AC004019.10	-1.98	1.80E-01	2.28E-01
RP11-348P10.2	-0.40	1.80E-01	2.28E-01
LINC00921	0.35	1.80E-01	2.28E-01
MGAT2	0.80	1.81E-01	2.28E-01
LINC01597	1.37	1.81E-01	2.29E-01
RP11-354E23.4	-0.82	1.81E-01	2.29E-01
CRYBB3	-0.68	1.81E-01	2.29E-01
PNPLA1	-0.32	1.81E-01	2.29E-01
KIAA0430	-0.13	1.81E-01	2.29E-01
ARL2BP	0.32	1.81E-01	2.29E-01
BTNL10	-1.05	1.81E-01	2.29E-01
CSF2	-1.16	1.81E-01	2.29E-01
RP11-49I11.2	-1.10	1.82E-01	2.30E-01
RP1-67A8.3	-1.46	1.82E-01	2.30E-01
G25462	-1.95	1.82E-01	2.30E-01
RP11-196B3.2	-0.92	1.82E-01	2.30E-01
SLC26A8	-0.82	1.82E-01	2.30E-01
CTB-3M24.1	-1.33	1.82E-01	2.30E-01
RFPL1S	0.93	1.82E-01	2.30E-01
RASGRF1	0.73	1.82E-01	2.30E-01
RP11-65L3.4	-0.94	1.82E-01	2.30E-01
RP4-671O14.6	-0.62	1.82E-01	2.30E-01
RP5-1180D12.1	0.95	1.82E-01	2.30E-01
PDE11A	0.88	1.82E-01	2.30E-01
LTA	1.33	1.82E-01	2.30E-01
ARL4A	0.29	1.82E-01	2.30E-01
DND1P1	-0.46	1.82E-01	2.30E-01
ZHX3	-0.22	1.82E-01	2.30E-01
RNF207	0.59	1.82E-01	2.30E-01
C4BPB	1.25	1.82E-01	2.30E-01
AP001347.6	0.58	1.82E-01	2.30E-01
RNU4-51P	-1.31	1.82E-01	2.31E-01
PRB2	1.05	1.82E-01	2.31E-01
XLOC_005550	-1.12	1.83E-01	2.31E-01
BMS1P1	-0.94	1.83E-01	2.31E-01
CTD-2666L21.1	-0.75	1.83E-01	2.31E-01

Gene	Value	P	Q
CDC6	-0.23	1.83E-01	2.31E-01
AC005682.5	0.51	1.83E-01	2.31E-01
RP3-333A15.1	-0.83	1.83E-01	2.31E-01
FAM107A	0.51	1.83E-01	2.31E-01
RP11-326K13.5	-1.25	1.83E-01	2.31E-01
RP4-800M22.1	0.49	1.83E-01	2.32E-01
RP11-479O9.4	0.38	1.83E-01	2.32E-01
HCG2040054	-1.25	1.84E-01	2.32E-01
RP11-380J14.1	1.23	1.84E-01	2.32E-01
RP11-98D18.9	0.93	1.84E-01	2.32E-01
RP11-196G11.3	1.28	1.84E-01	2.32E-01
RP11-863K10.4	-0.44	1.84E-01	2.32E-01
PEBP1P3	-1.76	1.84E-01	2.32E-01
RP11-855O10.2	1.52	1.84E-01	2.32E-01
ACTN3	-1.35	1.84E-01	2.32E-01
TAF1A	-0.28	1.84E-01	2.32E-01
RP11-720N19.2	-1.18	1.84E-01	2.32E-01
CPNE8	0.24	1.84E-01	2.32E-01
G11629	-0.81	1.84E-01	2.33E-01
RP11-678G14.2	-0.84	1.84E-01	2.33E-01
AC064875.2	1.48	1.84E-01	2.33E-01
ARL14EP	-0.17	1.85E-01	2.33E-01
PLA2G4E	0.26	1.85E-01	2.33E-01
DPY19L2P3	-0.45	1.85E-01	2.33E-01
MARK2P17	-1.85	1.85E-01	2.33E-01
G26596	1.24	1.85E-01	2.33E-01
DCST1	-0.64	1.85E-01	2.33E-01
LINC00612	0.54	1.85E-01	2.33E-01
RNLS	-0.23	1.85E-01	2.33E-01
RP4-800J21.3	-0.98	1.85E-01	2.33E-01
AC016734.2	-0.84	1.85E-01	2.33E-01
G25045	1.19	1.85E-01	2.33E-01
TMEM211	1.27	1.85E-01	2.34E-01
TMEM183A	0.15	1.85E-01	2.34E-01
NRCAM	0.40	1.85E-01	2.34E-01
SPIN3	0.42	1.85E-01	2.34E-01
NKAIN4	1.08	1.85E-01	2.34E-01
LINC01484	-2.05	1.85E-01	2.34E-01
IGFL3	-0.48	1.85E-01	2.34E-01
RP11-845M18.6	1.18	1.85E-01	2.34E-01
RNU6-190P	-1.21	1.85E-01	2.34E-01
MAGI2-AS3	0.43	1.85E-01	2.34E-01
CTD-2410N18.3	-0.36	1.86E-01	2.34E-01
WDR97	-0.67	1.86E-01	2.34E-01
RP11-523H20.3	0.98	1.86E-01	2.34E-01

MIR4484	-1.55	1.86E-01	2.34E-01
TSPYL5	0.30	1.86E-01	2.34E-01
AC015849.19	-0.54	1.86E-01	2.34E-01
TCTN1	-0.18	1.86E-01	2.34E-01
RP11-21G15.1	0.70	1.86E-01	2.34E-01
FAHD2CP	0.42	1.86E-01	2.34E-01
AC004980.10	-0.79	1.86E-01	2.34E-01
HNRNPA1P4	-1.70	1.86E-01	2.35E-01
RP11-350D17.3	1.70	1.86E-01	2.35E-01
USP30-AS1	-1.25	1.86E-01	2.35E-01
G27759	0.62	1.86E-01	2.35E-01
PGRMC1	-0.32	1.86E-01	2.35E-01
FAM196B	-0.59	1.86E-01	2.35E-01
RP11-118E18.2	-1.74	1.86E-01	2.35E-01
CD8B	0.54	1.86E-01	2.35E-01
RNA5SP465	-1.45	1.86E-01	2.35E-01
RP11-485G7.5	1.29	1.86E-01	2.35E-01
WIPF3	0.33	1.87E-01	2.35E-01
COL6A4P2	1.46	1.87E-01	2.35E-01
SERHL2	-0.58	1.87E-01	2.35E-01
MUC20	0.63	1.87E-01	2.35E-01
TAF13	-0.24	1.87E-01	2.35E-01
RP11-437J2.3	-1.82	1.87E-01	2.35E-01
RP11-95M15.2	-1.18	1.87E-01	2.35E-01
ENPP5	0.53	1.87E-01	2.36E-01
SERTAD2	-0.18	1.87E-01	2.36E-01
DDX10P1	-0.77	1.87E-01	2.36E-01
LINC00937	0.57	1.87E-01	2.36E-01
HRSP12	0.29	1.88E-01	2.36E-01
RP1-151F17.2	0.38	1.88E-01	2.36E-01
RUNDC3A-AS1	0.55	1.88E-01	2.36E-01
RP11-196G11.6	-0.51	1.88E-01	2.36E-01
RP11-139K1.2	-1.06	1.88E-01	2.36E-01
TBC1D8B	0.29	1.88E-01	2.37E-01
ZC3H4	0.17	1.88E-01	2.37E-01
MIRLET7G	-1.41	1.88E-01	2.37E-01
AC000111.6	-0.95	1.88E-01	2.37E-01
AC130469.1	1.27	1.88E-01	2.37E-01
AC073657.1	-0.79	1.88E-01	2.37E-01
RP4-758J18.7	0.54	1.88E-01	2.37E-01
TMCC3	-0.22	1.88E-01	2.37E-01
MIR4653	0.72	1.88E-01	2.37E-01
RP11-409K20.7	-0.45	1.88E-01	2.37E-01
SLC37A3	0.17	1.88E-01	2.37E-01
KANSL2	0.11	1.88E-01	2.37E-01

RP11-383F6.1	-0.88	1.88E-01	2.37E-01
RN7SL388P	-0.95	1.88E-01	2.37E-01
RP11-192H23.8	0.75	1.89E-01	2.37E-01
KRT84	1.87	1.89E-01	2.38E-01
RP11-778D9.4	-1.13	1.89E-01	2.38E-01
AC091492.2	-1.55	1.89E-01	2.38E-01
PSCA	-0.49	1.89E-01	2.38E-01
RP11-457M11.5	-0.63	1.89E-01	2.38E-01
CTC-455F18.1	1.38	1.89E-01	2.38E-01
AGGF1P2	-1.14	1.89E-01	2.38E-01
CXorf65	1.01	1.89E-01	2.38E-01
CAPN10	0.32	1.89E-01	2.38E-01
CNGA1	-0.34	1.89E-01	2.38E-01
SH3BGRL2	-0.32	1.89E-01	2.38E-01
TRMT10B	-0.20	1.89E-01	2.38E-01
G39837	-1.15	1.90E-01	2.38E-01
CALM2	-0.20	1.90E-01	2.39E-01
GTF2B	-0.21	1.90E-01	2.39E-01
PPM1H	0.41	1.90E-01	2.39E-01
TESC-AS1	-1.80	1.90E-01	2.39E-01
KBTBD4	-0.18	1.90E-01	2.39E-01
AHSA2	-0.53	1.90E-01	2.39E-01
ANKRD20A9P	2.96	1.90E-01	2.39E-01
GPR137B	-0.17	1.90E-01	2.39E-01
ADARB2	-0.88	1.90E-01	2.39E-01
XLOC_010292	-0.37	1.90E-01	2.39E-01
GOLGA8B	-0.64	1.90E-01	2.39E-01
MTCO1P12	1.36	1.90E-01	2.39E-01
RP11-85I17.2	-0.78	1.90E-01	2.39E-01
KRTAP10-3	-3.79	1.90E-01	2.39E-01
RP11-358L22.3	-0.34	1.91E-01	2.40E-01
XLOC_014122	-1.05	1.91E-01	2.40E-01
NRSN2-AS1	0.36	1.91E-01	2.40E-01
G18793	0.73	1.91E-01	2.40E-01
KRTAP4-2	-3.60	1.91E-01	2.40E-01
ZNF778	-0.17	1.91E-01	2.40E-01
RNU6-892P	-1.23	1.91E-01	2.40E-01
CCDC87	-0.63	1.91E-01	2.40E-01
RP11-33O4.1	-0.43	1.91E-01	2.40E-01
RNA5SP227	-1.61	1.91E-01	2.40E-01
AC024896.1	1.18	1.91E-01	2.40E-01
RP11-627K11.1	-1.18	1.91E-01	2.40E-01
BTNL2	-1.35	1.91E-01	2.40E-01
SLC16A6	-0.28	1.91E-01	2.40E-01
RP11-443P15.2	-0.48	1.91E-01	2.40E-01

GOSR2	-0.16	1.91E-01	2.40E-01
NELL1	0.89	1.91E-01	2.40E-01
MPRIPP1	1.06	1.91E-01	2.40E-01
LCE1B	0.49	1.92E-01	2.41E-01
ZC2HC1C	0.40	1.92E-01	2.41E-01
LAMP2	-0.18	1.92E-01	2.41E-01
AC003986.6	-0.82	1.92E-01	2.41E-01
RP13-188A5.1	0.26	1.92E-01	2.41E-01
LINC00462	-0.70	1.92E-01	2.41E-01
RP11-158I9.5	-1.83	1.92E-01	2.41E-01
EIF1B-AS1	-0.41	1.92E-01	2.41E-01
RP1-118J21.25	-1.79	1.92E-01	2.41E-01
SCGB1B2P	1.81	1.92E-01	2.41E-01
SVOPL	-0.78	1.92E-01	2.41E-01
ATRNL1	-0.61	1.92E-01	2.41E-01
OR1Q1	-1.86	1.92E-01	2.41E-01
SRGAP1	-0.38	1.92E-01	2.42E-01
LETM2	-0.38	1.92E-01	2.42E-01
AC104695.4	-1.48	1.92E-01	2.42E-01
RP11-463J10.2	-1.07	1.92E-01	2.42E-01
NPIPB4	0.52	1.92E-01	2.42E-01
RP1-102G20.4	-1.47	1.92E-01	2.42E-01
R3HDM2	0.22	1.92E-01	2.42E-01
SLC35B4	0.21	1.92E-01	2.42E-01
DAB1	0.87	1.93E-01	2.42E-01
RP11-66N11.8	0.43	1.93E-01	2.42E-01
RP11-438B23.2	-1.21	1.93E-01	2.42E-01
CYB5A	-0.34	1.93E-01	2.42E-01
ETFDH	-0.19	1.93E-01	2.42E-01
AC012594.1	-1.44	1.93E-01	2.42E-01
G480	0.61	1.93E-01	2.42E-01
DIRC3	-0.62	1.93E-01	2.42E-01
SMC4	-0.19	1.93E-01	2.42E-01
RP11-803B1.2	-1.48	1.93E-01	2.42E-01
GDPGP1	0.43	1.93E-01	2.43E-01
RAB10	0.20	1.93E-01	2.43E-01
XLOC_000641	1.14	1.93E-01	2.43E-01
GEMIN2	-0.13	1.94E-01	2.43E-01
ERP27	0.74	1.94E-01	2.43E-01
SHANK1	0.49	1.94E-01	2.43E-01
CTD-2033C11.1	-0.75	1.94E-01	2.43E-01
CHST8	0.88	1.94E-01	2.43E-01
RP11-574K11.5	0.75	1.94E-01	2.43E-01
OR7E62P	0.42	1.94E-01	2.44E-01
ITGB1P1	0.51	1.94E-01	2.44E-01

U52111.14	0.88	1.94E-01	2.44E-01
PTGES	0.28	1.94E-01	2.44E-01
KRTAP2-1	-3.89	1.95E-01	2.44E-01
INTS4P2	-0.80	1.95E-01	2.44E-01
RP11-641D5.2	1.45	1.95E-01	2.44E-01
RP11-32B5.7	-0.89	1.95E-01	2.44E-01
MIR320D1	1.31	1.95E-01	2.44E-01
EIF5AP3	-1.25	1.95E-01	2.44E-01
LRRC31	-1.67	1.95E-01	2.44E-01
BDNF	-0.39	1.95E-01	2.45E-01
RP11-713D19.1	-1.09	1.95E-01	2.45E-01
SPRED1	0.21	1.95E-01	2.45E-01
SLC6A9	-0.36	1.95E-01	2.45E-01
HCG14	-1.06	1.95E-01	2.45E-01
ARID5B	0.18	1.95E-01	2.45E-01
UQCC1	-0.13	1.95E-01	2.45E-01
AGXT	-0.98	1.95E-01	2.45E-01
AC005086.3	-1.24	1.96E-01	2.45E-01
PERP	-0.26	1.96E-01	2.45E-01
SMPD4P1	-1.77	1.96E-01	2.45E-01
CALML3-AS1	0.34	1.96E-01	2.45E-01
SIAH3	-1.10	1.96E-01	2.45E-01
RP4-612B15.3	0.37	1.96E-01	2.45E-01
XXyac-YR29IB3.1	-2.04	1.96E-01	2.45E-01
ATP10B	-0.21	1.96E-01	2.45E-01
PROSC	0.19	1.96E-01	2.45E-01
MIR646HG	-0.52	1.96E-01	2.45E-01
P2RX6P	-0.93	1.96E-01	2.46E-01
RPS11P6	-0.63	1.96E-01	2.46E-01
LINC01395	-0.67	1.96E-01	2.46E-01
HILPDA	0.46	1.96E-01	2.46E-01
C7orf55	0.47	1.96E-01	2.46E-01
DNAAF2	0.19	1.96E-01	2.46E-01
TOX	0.58	1.96E-01	2.46E-01
RXRA	-0.15	1.96E-01	2.46E-01
RP3-339A18.6	0.91	1.96E-01	2.46E-01
XLOC_009493	-1.00	1.97E-01	2.46E-01
AC006126.3	-0.96	1.97E-01	2.47E-01
C2orf70	1.31	1.97E-01	2.47E-01
UQCRFS1	0.19	1.97E-01	2.47E-01
UBL7-AS1	0.20	1.97E-01	2.47E-01
TMEM110-MUSTN1	-0.93	1.97E-01	2.47E-01
UGT1A10	-1.31	1.97E-01	2.47E-01
RP11-112J1.1	-1.02	1.97E-01	2.47E-01
CLDND2	0.77	1.97E-01	2.47E-01

RP11-478K15.6	-1.87	1.97E-01	2.47E-01
G40303	-0.84	1.97E-01	2.47E-01
ENOX2	0.14	1.97E-01	2.47E-01
PDZRN4	-0.60	1.98E-01	2.47E-01
BSN	-0.46	1.98E-01	2.48E-01
MAP6D1	0.26	1.98E-01	2.48E-01
RP11-311F12.1	0.53	1.98E-01	2.48E-01
BPIFB4	6.19	1.98E-01	2.48E-01
APCDD1	0.18	1.98E-01	2.48E-01
ASNSP1	-2.73	1.98E-01	2.48E-01
RP11-582E3.6	-0.21	1.98E-01	2.48E-01
UCP1	-1.41	1.98E-01	2.48E-01
NSFP1	-1.87	1.98E-01	2.48E-01
RP11-532N4.2	-2.51	1.98E-01	2.48E-01
SUMO1P3	-0.95	1.98E-01	2.48E-01
RP4-584D14.5	-0.41	1.98E-01	2.48E-01
RP11-398K22.12	-0.26	1.99E-01	2.49E-01
RP3-340B19.5	-1.25	1.99E-01	2.49E-01
PGM5P3-AS1	-1.17	1.99E-01	2.49E-01
ZKSCAN2	0.22	1.99E-01	2.49E-01
PGR	-0.64	1.99E-01	2.49E-01
RP11-455F5.5	-1.46	1.99E-01	2.49E-01
THAP9-AS1	-0.26	1.99E-01	2.49E-01
C19orf57	0.30	1.99E-01	2.49E-01
RP4-630A11.3	-1.83	1.99E-01	2.49E-01
MRPS35	-0.20	1.99E-01	2.49E-01
TFIP11	0.15	1.99E-01	2.49E-01
AC009961.5	1.04	2.00E-01	2.50E-01
FMR1-AS1	-1.16	2.00E-01	2.50E-01
RPL7P1	-0.39	2.00E-01	2.50E-01
RP11-245C17.2	-1.14	2.00E-01	2.50E-01
XLOC_013591	0.80	2.00E-01	2.50E-01
RP11-528A10.2	-1.31	2.00E-01	2.50E-01
C11orf52	-1.39	2.00E-01	2.50E-01
RP11-269G24.4	-0.85	2.00E-01	2.50E-01
SCRN1	0.30	2.00E-01	2.50E-01
CNTN4	-0.50	2.00E-01	2.50E-01
AC016629.3	-1.32	2.00E-01	2.50E-01
MS4A1	-1.00	2.00E-01	2.50E-01
TMPRSS15	-1.32	2.00E-01	2.50E-01
C1orf106	-0.23	2.00E-01	2.50E-01
ANOS2P	-0.68	2.00E-01	2.51E-01
RP11-556H2.3	-1.34	2.00E-01	2.51E-01
OCSTAMP	-1.39	2.00E-01	2.51E-01
SEC22B	-0.21	2.00E-01	2.51E-01

TPRKB	0.24	2.01E-01	2.51E-01
NBR1	-0.14	2.01E-01	2.51E-01
ZNF491	-0.44	2.01E-01	2.51E-01
AC023115.2	-1.08	2.01E-01	2.51E-01
G15537	0.80	2.01E-01	2.51E-01
CTD-2034I4.2	-2.09	2.01E-01	2.51E-01
RP11-641D5.1	-0.37	2.01E-01	2.51E-01
CTD-2553C6.1	-1.46	2.01E-01	2.51E-01
RP11-958N24.1	0.36	2.01E-01	2.51E-01
RP11-222K16.1	0.91	2.01E-01	2.51E-01
PMS2CL	0.22	2.01E-01	2.51E-01
TICRR	-0.31	2.01E-01	2.51E-01
RPL36	0.19	2.01E-01	2.51E-01
G41741	1.24	2.01E-01	2.51E-01
RANBP3L	0.77	2.01E-01	2.51E-01
NOV	0.37	2.01E-01	2.52E-01
DARS	0.21	2.01E-01	2.52E-01
RP4-717I23.3	-0.44	2.02E-01	2.52E-01
SPDYE17	-1.73	2.02E-01	2.52E-01
RP11-372B4.3	-0.57	2.02E-01	2.52E-01
AC017028.8	-1.76	2.02E-01	2.52E-01
RP11-652L8.4	1.36	2.02E-01	2.52E-01
PER3	-0.47	2.02E-01	2.52E-01
TGFBRAP1	-0.13	2.02E-01	2.52E-01
LINC00887	0.90	2.02E-01	2.52E-01
ARHGEF18	0.21	2.02E-01	2.52E-01
AC104667.3	1.35	2.02E-01	2.52E-01
MT-TP	0.44	2.02E-01	2.53E-01
BCOR	-0.15	2.02E-01	2.53E-01
CEACAM3	1.14	2.03E-01	2.53E-01
RAB40C	0.25	2.03E-01	2.53E-01
DPPA2P4	0.97	2.03E-01	2.53E-01
SMG7-AS1	-0.54	2.03E-01	2.53E-01
NUTM2HP	0.93	2.03E-01	2.53E-01
HS6ST2	-0.63	2.03E-01	2.53E-01
MCF2L-AS1	0.74	2.03E-01	2.53E-01
EMP1	-0.17	2.03E-01	2.53E-01
FAM21A	0.41	2.03E-01	2.53E-01
KLF1	1.42	2.03E-01	2.53E-01
TMEM61	0.72	2.03E-01	2.53E-01
RBPJP5	-1.48	2.03E-01	2.53E-01
RP11-428K3.1	-0.52	2.03E-01	2.53E-01
CUL9	-0.18	2.03E-01	2.54E-01
AC008985.1	-1.00	2.03E-01	2.54E-01
RP11-707G18.1	-1.02	2.03E-01	2.54E-01

CCND2-AS1	1.31	2.03E-01	2.54E-01
RP11-775C24.3	-1.13	2.03E-01	2.54E-01
ZDHHC20-IT1	-1.19	2.03E-01	2.54E-01
SLC4A7	-0.26	2.03E-01	2.54E-01
SMURF1	-0.13	2.03E-01	2.54E-01
CYP4F3	-0.38	2.03E-01	2.54E-01
SPTSSB	-0.36	2.04E-01	2.54E-01
RNU2-51P	-1.66	2.04E-01	2.54E-01
G12085	1.31	2.04E-01	2.54E-01
C6orf89	-0.10	2.04E-01	2.54E-01
PNLIPRP3	0.61	2.04E-01	2.54E-01
CADM3-AS1	-0.60	2.04E-01	2.54E-01
ACAP3	0.27	2.04E-01	2.54E-01
AC009133.12	0.22	2.04E-01	2.54E-01
PXMP4	-0.35	2.04E-01	2.54E-01
RP1-39G22.7	-0.29	2.04E-01	2.54E-01
TTC28-AS1	0.21	2.04E-01	2.54E-01
RGPD1	-0.89	2.04E-01	2.55E-01
UHRF2	-0.18	2.04E-01	2.55E-01
RAB26	-0.51	2.04E-01	2.55E-01
RP11-554A11.7	-1.50	2.04E-01	2.55E-01
TANK	-0.16	2.04E-01	2.55E-01
RP3-512B11.3	0.28	2.05E-01	2.55E-01
C7	0.75	2.05E-01	2.55E-01
APOD	0.54	2.05E-01	2.55E-01
RP11-490G8.1	-1.20	2.05E-01	2.55E-01
RP11-452K12.4	-0.85	2.05E-01	2.55E-01
SCGB2B2	-0.58	2.05E-01	2.55E-01
ST3GAL4-AS1	0.44	2.05E-01	2.55E-01
RRP7BP	-0.42	2.05E-01	2.55E-01
TRIM4	0.13	2.05E-01	2.56E-01
RNU7-41P	1.05	2.05E-01	2.56E-01
COL22A1	1.29	2.05E-01	2.56E-01
JPH1	0.43	2.05E-01	2.56E-01
LINC00393	-0.51	2.06E-01	2.56E-01
G28010	-0.73	2.06E-01	2.56E-01
PGM5	0.34	2.06E-01	2.56E-01
RP11-367F23.2	0.66	2.06E-01	2.56E-01
TCTE1	0.83	2.06E-01	2.56E-01
RP3-395C13.1	-1.17	2.06E-01	2.56E-01
RP11-367F23.1	1.15	2.06E-01	2.56E-01
ZFY-AS1	-1.09	2.06E-01	2.56E-01
MIR4999	-1.59	2.06E-01	2.56E-01
LRMP	-0.58	2.06E-01	2.57E-01
RAB18	-0.20	2.06E-01	2.57E-01

FAM157B	-1.25	2.06E-01	2.57E-01
KRTAP4-8	-3.26	2.06E-01	2.57E-01
DISC1FP1	-1.24	2.06E-01	2.57E-01
MBL1P	0.63	2.06E-01	2.57E-01
ZNF365	-0.61	2.07E-01	2.57E-01
AC005592.2	1.23	2.07E-01	2.57E-01
HCN1	0.71	2.07E-01	2.57E-01
RP11-486G15.2	0.78	2.07E-01	2.57E-01
RP1-202O8.2	-0.78	2.07E-01	2.57E-01
MKRN1	0.13	2.07E-01	2.57E-01
SGOL2	-0.30	2.07E-01	2.58E-01
PDCD1	0.85	2.07E-01	2.58E-01
RP11-242D8.1	-0.36	2.07E-01	2.58E-01
FZD10-AS1	0.33	2.07E-01	2.58E-01
POMC	0.37	2.07E-01	2.58E-01
YES1P1	-0.65	2.07E-01	2.58E-01
SLC6A6	0.26	2.07E-01	2.58E-01
RP11-713N11.6	-1.05	2.07E-01	2.58E-01
CCDC136	0.40	2.08E-01	2.58E-01
CACNA1F	-0.64	2.08E-01	2.58E-01
FBLN5	0.52	2.08E-01	2.58E-01
HLX-AS1	1.33	2.08E-01	2.58E-01
CPZ	1.02	2.08E-01	2.59E-01
RP11-92K15.3	-0.61	2.08E-01	2.59E-01
ECM2	-0.44	2.08E-01	2.59E-01
G3639	1.47	2.08E-01	2.59E-01
DHX57	-0.11	2.08E-01	2.59E-01
RP13-942N8.1	-0.42	2.08E-01	2.59E-01
PLCB4	-0.47	2.08E-01	2.59E-01
MIR3178	-1.23	2.08E-01	2.59E-01
RPL31P11	-1.72	2.08E-01	2.59E-01
LCMT1-AS1	0.61	2.08E-01	2.59E-01
RP11-365N19.2	-0.95	2.08E-01	2.59E-01
RP11-402P6.9	-1.19	2.08E-01	2.59E-01
HIGD1C	-1.62	2.08E-01	2.59E-01
MUC7	1.99	2.08E-01	2.59E-01
CCDC163P	0.65	2.08E-01	2.59E-01
AC021188.4	0.65	2.09E-01	2.59E-01
PPIAP30	-0.95	2.09E-01	2.59E-01
RP11-1148L6.9	-0.54	2.09E-01	2.60E-01
RP1-179N16.6	-0.96	2.09E-01	2.60E-01
SARAF	-0.19	2.09E-01	2.60E-01
CTD-2575K13.6	-1.05	2.09E-01	2.60E-01
MIR5690	-0.84	2.09E-01	2.60E-01
AP003068.23	0.39	2.09E-01	2.60E-01

TIAM2	-0.28	2.09E-01	2.60E-01
SPINT4	-1.79	2.09E-01	2.60E-01
ZNF526	0.17	2.09E-01	2.60E-01
RP11-505P4.6	-0.89	2.09E-01	2.60E-01
HLA-F-AS1	-0.39	2.10E-01	2.61E-01
RP3-331H24.6	-0.71	2.10E-01	2.61E-01
RPE65	1.36	2.10E-01	2.61E-01
TSC22D2	0.16	2.10E-01	2.61E-01
TGM5	0.33	2.10E-01	2.61E-01
PXN-AS1	-0.30	2.10E-01	2.61E-01
TSNARE1	0.22	2.10E-01	2.61E-01
RP11-461A8.4	-0.79	2.10E-01	2.61E-01
TPTE2	-1.32	2.10E-01	2.61E-01
EIF1AXP1	-0.44	2.10E-01	2.61E-01
RP11-178F10.1	1.36	2.10E-01	2.61E-01
ASIC3	0.39	2.10E-01	2.61E-01
RP5-882O7.1	1.01	2.10E-01	2.61E-01
AC129492.6	-0.62	2.10E-01	2.61E-01
MRPL39	-0.22	2.10E-01	2.61E-01
AC005255.3	-0.72	2.10E-01	2.61E-01
RP11-455F5.3	0.41	2.10E-01	2.61E-01
ZNF709	-0.66	2.10E-01	2.61E-01
PFN1P8	1.04	2.11E-01	2.62E-01
GPS2	0.50	2.11E-01	2.62E-01
G12754	-0.86	2.11E-01	2.62E-01
MYO16	-0.51	2.11E-01	2.62E-01
MYRIP	0.46	2.11E-01	2.62E-01
RP11-752L20.3	-0.43	2.11E-01	2.62E-01
ANKRD18DP	-1.20	2.11E-01	2.62E-01
RP11-46H11.12	0.77	2.11E-01	2.62E-01
G34428	0.34	2.11E-01	2.62E-01
TMC1	0.74	2.11E-01	2.62E-01
CTD-2366F13.1	0.40	2.11E-01	2.62E-01
RP11-355B11.2	-0.40	2.11E-01	2.62E-01
CTD-2270N23.1	-0.80	2.11E-01	2.62E-01
RAF1	-0.11	2.11E-01	2.62E-01
AC007285.6	-0.51	2.11E-01	2.62E-01
FAM129A	-0.22	2.11E-01	2.62E-01
GCLC	-0.21	2.11E-01	2.62E-01
RP11-122C5.2	-1.83	2.11E-01	2.62E-01
CTB-174D11.2	-1.28	2.12E-01	2.63E-01
RP11-700H6.4	-0.77	2.12E-01	2.63E-01
ANKRD62	-1.64	2.12E-01	2.63E-01
XLOC_006931	-0.90	2.12E-01	2.63E-01
KB-1460A1.3	-1.37	2.12E-01	2.63E-01

DHFR	0.34	2.12E-01	2.63E-01
RPL37P23	-1.35	2.12E-01	2.63E-01
PTGES3L	0.73	2.12E-01	2.63E-01
TOMM20	-0.17	2.12E-01	2.63E-01
RP11-474N24.6	1.16	2.12E-01	2.64E-01
MIR4258	1.21	2.13E-01	2.64E-01
RP11-392O1.4	-1.17	2.13E-01	2.64E-01
USP42	0.12	2.13E-01	2.64E-01
LINC01611	-1.47	2.13E-01	2.64E-01
XLOC_005361	-0.61	2.13E-01	2.64E-01
RP11-44F14.8	0.61	2.13E-01	2.65E-01
PPFIA2	-0.58	2.14E-01	2.65E-01
AP000251.3	-1.07	2.14E-01	2.65E-01
RPSAP41	-1.59	2.14E-01	2.65E-01
CTD-2228K2.1	-1.45	2.14E-01	2.65E-01
SIGLEC16	0.60	2.14E-01	2.65E-01
LINC00960	1.55	2.14E-01	2.65E-01
AC137934.1	0.72	2.14E-01	2.65E-01
TRIM32	0.15	2.14E-01	2.65E-01
NRAV	-0.19	2.14E-01	2.65E-01
GSG1L	-1.07	2.14E-01	2.65E-01
RP11-286B14.1	0.65	2.14E-01	2.65E-01
AP000688.29	-0.74	2.14E-01	2.66E-01
TTC6	-1.62	2.14E-01	2.66E-01
ZRANB2-AS2	-0.46	2.14E-01	2.66E-01
CTB-47B11.3	-1.25	2.14E-01	2.66E-01
G30962	1.50	2.14E-01	2.66E-01
RP11-261C10.5	-1.34	2.14E-01	2.66E-01
RP11-436D23.1	-1.47	2.14E-01	2.66E-01
LINC00491	1.31	2.14E-01	2.66E-01
ADRB2	0.41	2.15E-01	2.66E-01
STK24	-0.15	2.15E-01	2.66E-01
CEBPB-AS1	-0.50	2.15E-01	2.66E-01
EIF2S2P2	-0.93	2.15E-01	2.66E-01
IER3	0.32	2.15E-01	2.66E-01
PKD1P5	0.91	2.15E-01	2.66E-01
VWA5B2	-0.76	2.15E-01	2.66E-01
G22216	0.94	2.15E-01	2.66E-01
TF	-0.85	2.15E-01	2.66E-01
ZMYND10	-0.43	2.15E-01	2.67E-01
EGLN1	0.17	2.15E-01	2.67E-01
HAL	0.41	2.15E-01	2.67E-01
G39379	-0.57	2.16E-01	2.67E-01
LINC01219	-0.78	2.16E-01	2.67E-01
RHNO1	-0.17	2.16E-01	2.67E-01

Gene	Value	p-value	q-value
PROKR1	-1.56	2.16E-01	2.67E-01
RNASE4	0.62	2.16E-01	2.67E-01
SIGLEC22P	-1.23	2.16E-01	2.67E-01
RP11-169K16.8	-0.84	2.16E-01	2.67E-01
MAL2	-0.24	2.16E-01	2.67E-01
ASH1L-AS1	0.31	2.16E-01	2.68E-01
OPN1LW	1.25	2.16E-01	2.68E-01
CFL1P5	-1.25	2.16E-01	2.68E-01
RN7SL846P	-1.76	2.16E-01	2.68E-01
ANKK1	-0.38	2.16E-01	2.68E-01
CTD-2192J16.26	-0.84	2.16E-01	2.68E-01
XLOC_012002	-1.01	2.16E-01	2.68E-01
ECHDC1	0.21	2.16E-01	2.68E-01
CTD-2195B23.3	-0.84	2.17E-01	2.68E-01
FAM45B	0.81	2.17E-01	2.68E-01
C8orf34	0.69	2.17E-01	2.68E-01
DDHD2	-0.12	2.17E-01	2.68E-01
S100A13	0.34	2.17E-01	2.68E-01
RP3-323A16.1	-1.55	2.17E-01	2.68E-01
TGFB2-AS1	-0.52	2.17E-01	2.68E-01
IGLV3-19	-1.78	2.17E-01	2.69E-01
PRICKLE2	0.28	2.17E-01	2.69E-01
RUNDC3B	-0.41	2.17E-01	2.69E-01
CCDC24	-0.48	2.17E-01	2.69E-01
CYP2C8	-0.94	2.17E-01	2.69E-01
C9orf153	-1.07	2.17E-01	2.69E-01
DENND5B	-0.28	2.17E-01	2.69E-01
RP11-307C18.1	-0.71	2.17E-01	2.69E-01
RP11-78A19.4	-1.11	2.17E-01	2.69E-01
AC099048.1	1.02	2.17E-01	2.69E-01
RP11-706O15.3	-1.97	2.17E-01	2.69E-01
RP11-977G19.12	-0.56	2.17E-01	2.69E-01
RP11-263K19.4	-0.74	2.18E-01	2.69E-01
GTF2IP5	-0.65	2.18E-01	2.69E-01
SLC39A6	-0.29	2.18E-01	2.69E-01
ABCD2	-0.70	2.18E-01	2.69E-01
RP11-159N11.4	-0.45	2.18E-01	2.69E-01
CCDC154	0.78	2.18E-01	2.69E-01
XLOC_001048	-1.26	2.18E-01	2.69E-01
CTD-2260A17.2	0.30	2.18E-01	2.69E-01
RP11-793H13.11	0.31	2.18E-01	2.69E-01
RP11-367N14.2	0.76	2.18E-01	2.70E-01
SKOR1	0.45	2.18E-01	2.70E-01
RP11-301L8.2	-1.09	2.18E-01	2.70E-01
TNK2-AS1	-0.47	2.18E-01	2.70E-01

RP11-248J18.2	0.39	2.18E-01	2.70E-01
RP11-697N18.2	-1.56	2.18E-01	2.70E-01
RP11-1078H9.5	-0.94	2.18E-01	2.70E-01
KIAA1683	-0.46	2.18E-01	2.70E-01
KCNAB3	0.49	2.18E-01	2.70E-01
KCNJ3	-1.02	2.19E-01	2.70E-01
RP11-10C8.2	-0.94	2.19E-01	2.70E-01
XLOC_002654	0.95	2.19E-01	2.70E-01
TAS2R62P	-1.39	2.19E-01	2.70E-01
G26828	0.61	2.19E-01	2.70E-01
C16orf70	0.15	2.19E-01	2.71E-01
COX11	-0.15	2.19E-01	2.71E-01
CX3CR1	-0.36	2.19E-01	2.71E-01
NYAP2	-1.55	2.19E-01	2.71E-01
SAMD9L	-0.38	2.19E-01	2.71E-01
RNVU1-19	-2.97	2.19E-01	2.71E-01
BRINP2	-0.99	2.19E-01	2.71E-01
ZSCAN1	0.88	2.19E-01	2.71E-01
SH2D1B	0.95	2.19E-01	2.71E-01
DAPL1	0.31	2.20E-01	2.71E-01
AC083862.6	-1.48	2.20E-01	2.72E-01
RP11-792A8.4	-0.82	2.20E-01	2.72E-01
RP11-177H2.1	0.56	2.20E-01	2.72E-01
GEMIN6	0.20	2.20E-01	2.72E-01
CNNM1	-0.31	2.20E-01	2.72E-01
XLOC_001447	-0.79	2.20E-01	2.72E-01
CTB-31O20.2	-0.45	2.20E-01	2.72E-01
SSPN	0.38	2.20E-01	2.72E-01
RP11-113K21.4	-1.15	2.20E-01	2.72E-01
ATXN1L	-0.13	2.20E-01	2.72E-01
ZNF454	0.49	2.20E-01	2.72E-01
XLOC_007879	-0.66	2.20E-01	2.72E-01
SH2D7	-1.01	2.20E-01	2.72E-01
EPCAM	0.45	2.21E-01	2.72E-01
RP11-290O12.2	0.80	2.21E-01	2.72E-01
XLOC_008667	-0.51	2.21E-01	2.73E-01
EIF1P6	-0.70	2.21E-01	2.73E-01
RN7SL268P	-1.36	2.21E-01	2.73E-01
RP11-867G2.4	-1.58	2.21E-01	2.73E-01
AC007966.1	-0.96	2.21E-01	2.73E-01
CTD-2600O9.1	-0.49	2.21E-01	2.73E-01
MTERF3	-0.17	2.21E-01	2.73E-01
RP11-689K5.3	-0.74	2.21E-01	2.73E-01
CTC-429P9.5	0.21	2.21E-01	2.73E-01
PACSIN1	1.17	2.21E-01	2.73E-01

MIR4477B	-0.56	2.21E-01	2.73E-01
MLYCD	-0.17	2.21E-01	2.73E-01
AC073254.1	-0.34	2.21E-01	2.73E-01
CTA-212A2.1	0.72	2.22E-01	2.74E-01
ADGRL2	0.27	2.22E-01	2.74E-01
SNCB	1.39	2.22E-01	2.74E-01
CTD-3247H4.2	-0.79	2.22E-01	2.74E-01
RP11-231P20.2	1.01	2.22E-01	2.74E-01
TRGV10	-1.52	2.22E-01	2.74E-01
KC6	-1.41	2.22E-01	2.74E-01
RP4-687K1.2	-1.27	2.22E-01	2.74E-01
AC005104.3	-0.62	2.22E-01	2.74E-01
AC104532.3	-1.35	2.22E-01	2.74E-01
G29700	-1.07	2.23E-01	2.75E-01
CTD-2561B21.10	-1.39	2.23E-01	2.75E-01
CTD-3092A11.2	0.40	2.23E-01	2.75E-01
KLHL31	-0.39	2.23E-01	2.75E-01
AC016700.5	0.71	2.23E-01	2.75E-01
KB-1410C5.5	0.33	2.23E-01	2.75E-01
PRDM11	0.15	2.23E-01	2.75E-01
UBE2C	0.27	2.23E-01	2.75E-01
ITGB1BP2	-0.61	2.23E-01	2.75E-01
GNB1L	0.31	2.23E-01	2.75E-01
RP11-218E20.5	-1.31	2.23E-01	2.75E-01
RP11-65J3.14	-1.10	2.23E-01	2.75E-01
FHL1	-0.23	2.23E-01	2.75E-01
POLR3F	-0.14	2.23E-01	2.75E-01
G41661	-0.47	2.23E-01	2.76E-01
ATP2C2	0.22	2.23E-01	2.76E-01
CTD-2024P10.2	-0.90	2.24E-01	2.76E-01
RP11-10L7.1	1.08	2.24E-01	2.76E-01
XKR5	-0.65	2.24E-01	2.76E-01
GSDMC	0.31	2.24E-01	2.76E-01
CTD-2510F5.4	-0.39	2.24E-01	2.76E-01
PHF10	-0.13	2.24E-01	2.76E-01
RP11-693J15.5	-1.33	2.24E-01	2.76E-01
FAM212B-AS1	-1.11	2.24E-01	2.76E-01
DCAF4L1	-0.65	2.24E-01	2.76E-01
APOBEC3A	0.96	2.24E-01	2.77E-01
C16orf74	0.42	2.24E-01	2.77E-01
PLEKHB2	-0.13	2.24E-01	2.77E-01
RP11-477I4.4	0.62	2.24E-01	2.77E-01
G3945	-0.74	2.24E-01	2.77E-01
KCTD12	-0.29	2.25E-01	2.77E-01
CTC-498J12.3	-0.84	2.25E-01	2.77E-01

AC093585.6	-0.92	2.25E-01	2.77E-01
CHMP3	0.14	2.25E-01	2.77E-01
CH17-353B19.1	0.70	2.25E-01	2.77E-01
AMOTL2	-0.22	2.25E-01	2.77E-01
RP11-51J9.6	-0.64	2.25E-01	2.77E-01
GABRG3	0.85	2.25E-01	2.77E-01
RNU6-469P	1.13	2.25E-01	2.77E-01
GIPR	0.43	2.25E-01	2.78E-01
HLA-DPA1	0.41	2.25E-01	2.78E-01
FEN1	0.24	2.25E-01	2.78E-01
TMEM213	1.52	2.26E-01	2.78E-01
KIFAP3	-0.12	2.26E-01	2.78E-01
RP11-357G3.2	-1.61	2.26E-01	2.78E-01
RP11-348B17.1	-1.03	2.26E-01	2.78E-01
RP11-16F15.2	-1.09	2.26E-01	2.78E-01
CTA-253N17.1	0.52	2.26E-01	2.78E-01
XLOC_005482	1.46	2.26E-01	2.78E-01
SESN3	0.25	2.26E-01	2.78E-01
RPS26P11	1.09	2.26E-01	2.78E-01
KCNMB2	-1.03	2.26E-01	2.79E-01
RARB	0.34	2.27E-01	2.79E-01
ZKSCAN7	0.34	2.27E-01	2.79E-01
G26250	-0.59	2.27E-01	2.79E-01
EMC6	0.68	2.27E-01	2.79E-01
NET1	-0.19	2.27E-01	2.79E-01
CTD-2246P4.1	-0.90	2.27E-01	2.79E-01
G8154	-0.43	2.27E-01	2.79E-01
XLOC_005542	-0.57	2.27E-01	2.79E-01
RP11-274H2.2	-1.02	2.27E-01	2.79E-01
RUSC2	0.17	2.27E-01	2.80E-01
SLC30A8	-1.72	2.27E-01	2.80E-01
PSMC1P1	0.33	2.27E-01	2.80E-01
STX3	0.11	2.27E-01	2.80E-01
CLDN4	0.21	2.27E-01	2.80E-01
RHPN2	0.93	2.27E-01	2.80E-01
MLLT10P1	-1.02	2.28E-01	2.80E-01
ME2	-0.22	2.28E-01	2.80E-01
ASB5	-1.78	2.28E-01	2.80E-01
TP53BP2	-0.10	2.28E-01	2.80E-01
FAM3C	0.22	2.28E-01	2.80E-01
UQCRHL	0.28	2.28E-01	2.80E-01
AP000688.1	-1.33	2.28E-01	2.80E-01
RNU6-1333P	-1.57	2.28E-01	2.80E-01
TMEM87A	-0.11	2.28E-01	2.80E-01
TEX22	-0.58	2.28E-01	2.80E-01

ZDHHC4P1	-1.47	2.28E-01	2.80E-01
TRABD2A	0.48	2.28E-01	2.81E-01
RBM39	-0.15	2.28E-01	2.81E-01
RIPK1	-0.12	2.28E-01	2.81E-01
RP11-1348G14.8	-0.54	2.29E-01	2.81E-01
CTB-113P19.3	-0.67	2.29E-01	2.81E-01
RP11-315O6.1	0.70	2.29E-01	2.81E-01
PCMT1	0.14	2.29E-01	2.81E-01
RN7SL559P	-0.79	2.29E-01	2.81E-01
RP11-38G5.4	-0.87	2.29E-01	2.81E-01
KIAA2012	-1.12	2.29E-01	2.81E-01
KIF1C	0.17	2.29E-01	2.81E-01
COPS3	-0.17	2.29E-01	2.81E-01
GABRR1	1.17	2.29E-01	2.81E-01
RABL2B	0.21	2.29E-01	2.82E-01
GAL3ST3	-1.39	2.29E-01	2.82E-01
WDFY3-AS2	-0.27	2.29E-01	2.82E-01
G11276	0.72	2.29E-01	2.82E-01
RP11-109G23.3	-1.26	2.29E-01	2.82E-01
VAPA	0.14	2.30E-01	2.82E-01
C6	0.92	2.30E-01	2.82E-01
AC018816.3	-0.65	2.30E-01	2.82E-01
GPR137C	0.37	2.30E-01	2.82E-01
ANG	-0.25	2.30E-01	2.82E-01
CTA-221G9.10	0.95	2.30E-01	2.82E-01
CCDC116	0.67	2.30E-01	2.82E-01
TEX2	-0.15	2.30E-01	2.82E-01
HSPD1P10	-1.15	2.30E-01	2.82E-01
CRB1	-0.82	2.30E-01	2.82E-01
RP5-837J1.1	-1.37	2.30E-01	2.82E-01
RP11-603J24.5	-0.88	2.30E-01	2.83E-01
POU5F1P6	1.24	2.30E-01	2.83E-01
RP11-456I15.2	-0.86	2.30E-01	2.83E-01
CP	-0.64	2.30E-01	2.83E-01
RANGRF	0.79	2.30E-01	2.83E-01
RP11-710F7.3	-1.19	2.30E-01	2.83E-01
RP11-293B20.2	1.23	2.31E-01	2.83E-01
RP11-502I4.3	0.38	2.31E-01	2.83E-01
RNU4-14P	-1.52	2.31E-01	2.83E-01
F13A1	0.62	2.31E-01	2.83E-01
RP11-537A6.9	-1.05	2.31E-01	2.84E-01
KRT86	-1.53	2.31E-01	2.84E-01
AC005740.6	-0.60	2.31E-01	2.84E-01
RP11-274B21.9	0.91	2.31E-01	2.84E-01
JKAMP	-0.16	2.31E-01	2.84E-01

SLC43A1	0.31	2.31E-01	2.84E-01
RP11-679B19.1	-0.50	2.31E-01	2.84E-01
RN7SKP239	-1.16	2.31E-01	2.84E-01
RP11-20I23.8	-0.81	2.31E-01	2.84E-01
RP11-317N8.5	0.45	2.32E-01	2.84E-01
CHD5	-0.62	2.32E-01	2.84E-01
ZNF717	-0.36	2.32E-01	2.84E-01
AC118344.1	-1.20	2.32E-01	2.84E-01
ITGA2	-0.26	2.32E-01	2.84E-01
XLOC_011979	6.00	2.32E-01	2.85E-01
FAT4	-0.50	2.32E-01	2.85E-01
AKAP3	-0.36	2.32E-01	2.85E-01
RP11-444E17.6	-0.99	2.32E-01	2.85E-01
DHODH	0.17	2.32E-01	2.85E-01
RN7SL336P	-0.55	2.32E-01	2.85E-01
GNL3	0.18	2.32E-01	2.85E-01
SLC25A4	0.18	2.32E-01	2.85E-01
C21orf58	-0.33	2.32E-01	2.85E-01
FOXD2	0.59	2.32E-01	2.85E-01
BCDIN3D	0.18	2.32E-01	2.85E-01
G3900	-1.16	2.32E-01	2.85E-01
G39807	0.63	2.32E-01	2.85E-01
PNMAL2	0.30	2.33E-01	2.85E-01
LINC01578	-0.23	2.33E-01	2.85E-01
FBLN1	0.51	2.33E-01	2.86E-01
CTB-50L17.9	0.66	2.33E-01	2.86E-01
BMP8B	0.29	2.33E-01	2.86E-01
LINC00941	0.87	2.33E-01	2.86E-01
SPSB3	0.52	2.33E-01	2.86E-01
RP11-489E7.4	0.87	2.33E-01	2.86E-01
RP11-199F11.2	-0.54	2.33E-01	2.86E-01
ISM2	-1.26	2.33E-01	2.86E-01
IGKV3D-15	6.25	2.33E-01	2.86E-01
RP11-61A14.4	1.06	2.33E-01	2.86E-01
CELF2	-0.26	2.34E-01	2.86E-01
CCL18	0.96	2.34E-01	2.87E-01
PSENEN	-0.22	2.34E-01	2.87E-01
RN7SL730P	-0.98	2.34E-01	2.87E-01
PRADC1P1	-0.86	2.34E-01	2.87E-01
SLC40A1	0.29	2.34E-01	2.87E-01
GFOD1-AS1	-1.14	2.34E-01	2.87E-01
AP001462.6	0.58	2.34E-01	2.87E-01
NBR2	0.25	2.35E-01	2.88E-01
CCDC58P5	-1.34	2.35E-01	2.88E-01
CAMKMT	-0.22	2.35E-01	2.88E-01

SPATA25	-0.47	2.35E-01	2.88E-01
PLIN4	0.87	2.35E-01	2.88E-01
RP5-1091N2.9	1.18	2.35E-01	2.88E-01
COPG2	-0.21	2.35E-01	2.88E-01
CBY3	-0.97	2.35E-01	2.89E-01
HMGN1P36	-0.68	2.35E-01	2.89E-01
bP-2189O9.3	1.38	2.36E-01	2.89E-01
ZNF542P	0.20	2.36E-01	2.89E-01
NFE2	-0.38	2.36E-01	2.89E-01
SIK3	-0.19	2.36E-01	2.89E-01
YBX1P2	-0.60	2.36E-01	2.89E-01
RP11-130F10.1	-0.45	2.36E-01	2.89E-01
AKT3	-0.30	2.36E-01	2.89E-01
AL353671.2	1.34	2.36E-01	2.89E-01
SPATS2L	0.15	2.36E-01	2.89E-01
RP11-379K17.4	-1.45	2.36E-01	2.90E-01
ZNF589	-0.17	2.36E-01	2.90E-01
CCNDBP1	-0.17	2.37E-01	2.90E-01
RP5-884C9.2	-0.31	2.37E-01	2.90E-01
SLCO2A1	0.37	2.37E-01	2.90E-01
RP3-453I5.2	-1.40	2.37E-01	2.90E-01
DLG3	-0.15	2.37E-01	2.90E-01
AP000442.1	-0.46	2.37E-01	2.90E-01
GPR62	0.48	2.37E-01	2.90E-01
ARMT1	-0.19	2.37E-01	2.90E-01
ZNF582	-0.25	2.37E-01	2.90E-01
LLNLF-158E9.1	-1.30	2.37E-01	2.90E-01
CXorf56	-0.16	2.37E-01	2.90E-01
XLOC_014272	-1.01	2.37E-01	2.90E-01
RNF17	-1.00	2.37E-01	2.90E-01
RP11-110I1.13	1.02	2.37E-01	2.90E-01
G6008	-0.67	2.37E-01	2.90E-01
WASF4P	-1.30	2.37E-01	2.91E-01
RP11-64C12.3	-1.00	2.37E-01	2.91E-01
RGS2	-0.34	2.37E-01	2.91E-01
QPCT	-0.26	2.37E-01	2.91E-01
HRASLS5	-0.69	2.37E-01	2.91E-01
CTC-325H20.4	0.26	2.37E-01	2.91E-01
GDF9	-0.41	2.38E-01	2.91E-01
PKMP3	-0.58	2.38E-01	2.91E-01
TERF1	0.11	2.38E-01	2.91E-01
RP11-338E21.2	0.93	2.38E-01	2.91E-01
XCL1	0.97	2.38E-01	2.91E-01
NUDT10	-0.43	2.38E-01	2.92E-01
CYP2F2P	-0.70	2.38E-01	2.92E-01

CACNA1C-AS1	1.23	2.38E-01	2.92E-01
TRPC2	0.96	2.38E-01	2.92E-01
RP11-253M7.1	0.67	2.38E-01	2.92E-01
RP1-102G20.2	-1.23	2.38E-01	2.92E-01
PDHB	0.20	2.38E-01	2.92E-01
LINC00189	-0.94	2.38E-01	2.92E-01
ABCA3	0.28	2.39E-01	2.92E-01
RP3-461F17.3	-0.71	2.39E-01	2.92E-01
AC006272.1	-1.69	2.39E-01	2.92E-01
ABCG5	-0.70	2.39E-01	2.92E-01
MAP10	0.29	2.39E-01	2.92E-01
REXO2	-0.13	2.39E-01	2.93E-01
RP5-966M1.6	-0.72	2.39E-01	2.93E-01
CDC123	0.16	2.39E-01	2.93E-01
RP11-77K12.9	0.30	2.39E-01	2.93E-01
RANP4	-0.77	2.39E-01	2.93E-01
NDC80	0.25	2.39E-01	2.93E-01
MAFA	-0.84	2.40E-01	2.93E-01
RP11-672L10.6	-0.58	2.40E-01	2.93E-01
GALNT11	-0.17	2.40E-01	2.93E-01
FBXW10	-0.81	2.40E-01	2.93E-01
RPL7P24	-1.38	2.40E-01	2.93E-01
RN7SL789P	-0.94	2.40E-01	2.93E-01
PCDHA12	-1.20	2.40E-01	2.93E-01
RP11-17P16.1	-0.64	2.40E-01	2.93E-01
RP1-152L7.5	0.38	2.40E-01	2.93E-01
BEND3	-0.25	2.40E-01	2.93E-01
ARMC10P1	0.58	2.40E-01	2.94E-01
ORAOV1	0.21	2.40E-01	2.94E-01
FBXO5	-0.22	2.40E-01	2.94E-01
G1159	0.62	2.40E-01	2.94E-01
WI2-3658N16.1	0.35	2.40E-01	2.94E-01
RP11-61E11.2	-1.16	2.40E-01	2.94E-01
GXYLT2	-0.50	2.40E-01	2.94E-01
PHYHIPL	-0.46	2.41E-01	2.94E-01
AC004951.6	-0.58	2.41E-01	2.94E-01
RP11-435F17.1	-1.26	2.41E-01	2.94E-01
KRTAP5-1	-1.93	2.41E-01	2.94E-01
RP11-1060G2.1	-1.10	2.41E-01	2.94E-01
RP11-267N12.1	-1.29	2.41E-01	2.94E-01
RBM7	-0.14	2.41E-01	2.94E-01
YY2	0.29	2.41E-01	2.95E-01
UBE2L4	-1.13	2.41E-01	2.95E-01
SLC23A2	0.14	2.41E-01	2.95E-01
CHRNA4	-1.14	2.41E-01	2.95E-01

RP11-73E17.2	-0.28	2.41E-01	2.95E-01
MICU1	0.18	2.42E-01	2.95E-01
FRG2JP	-1.34	2.42E-01	2.95E-01
FUT8	0.29	2.42E-01	2.95E-01
AC005537.2	0.54	2.42E-01	2.95E-01
AC005329.7	0.99	2.42E-01	2.95E-01
CTD-2503O16.4	-0.97	2.42E-01	2.95E-01
RP11-363E6.4	-0.56	2.42E-01	2.95E-01
CBX3P2	0.30	2.42E-01	2.95E-01
AC016582.2	-0.72	2.42E-01	2.96E-01
SLCO5A1	-0.81	2.42E-01	2.96E-01
DPP10	-0.72	2.42E-01	2.96E-01
DBR1	0.15	2.42E-01	2.96E-01
MIR361	-1.84	2.42E-01	2.96E-01
MGAT4C	0.75	2.43E-01	2.96E-01
RN7SL34P	-0.86	2.43E-01	2.96E-01
RP11-464F9.22	-0.59	2.43E-01	2.96E-01
ACOT13	-0.13	2.43E-01	2.96E-01
RNU4-25P	-1.59	2.43E-01	2.96E-01
HAPLN2	0.96	2.43E-01	2.96E-01
TMEM263	0.29	2.43E-01	2.96E-01
WWTR1-IT1	0.66	2.43E-01	2.97E-01
RP5-1116H23.3	-0.76	2.43E-01	2.97E-01
RNF2	-0.18	2.43E-01	2.97E-01
ZNF888	-0.31	2.43E-01	2.97E-01
MCEMP1	1.29	2.43E-01	2.97E-01
ANKMY2	0.16	2.44E-01	2.97E-01
XLOC_003397	-1.56	2.44E-01	2.97E-01
RP11-7F17.5	0.74	2.44E-01	2.97E-01
TMEM47	0.31	2.44E-01	2.97E-01
EMC1	-0.10	2.44E-01	2.97E-01
SLC1A3	-0.25	2.44E-01	2.97E-01
IPO9-AS1	-0.80	2.44E-01	2.97E-01
EFTUD2	0.11	2.44E-01	2.98E-01
RP11-46J23.1	-0.56	2.44E-01	2.98E-01
RP11-999E24.3	-0.35	2.44E-01	2.98E-01
RP11-66N24.4	-0.57	2.44E-01	2.98E-01
TSPAN33	0.36	2.44E-01	2.98E-01
UTY	-1.32	2.44E-01	2.98E-01
HDC	0.65	2.44E-01	2.98E-01
PSMD1	0.16	2.45E-01	2.98E-01
NIF3L1	0.15	2.45E-01	2.98E-01
KLHL4	-0.51	2.45E-01	2.98E-01
CTD-2547L24.3	-0.43	2.45E-01	2.99E-01
DIAPH3-AS2	-1.62	2.45E-01	2.99E-01

EFTUD1	0.14	2.45E-01	2.99E-01
RP13-582O9.7	0.62	2.45E-01	2.99E-01
PNPLA7	0.35	2.45E-01	2.99E-01
SYN2	0.56	2.46E-01	3.00E-01
RP11-11N7.4	-1.04	2.46E-01	3.00E-01
VAPB	-0.15	2.46E-01	3.00E-01
LMNB1	-0.19	2.46E-01	3.00E-01
FGF18	0.87	2.46E-01	3.00E-01
RP13-554M15.2	0.74	2.46E-01	3.00E-01
FAM151A	0.62	2.46E-01	3.00E-01
RNASE3	-0.97	2.46E-01	3.00E-01
LINC01277	0.71	2.46E-01	3.00E-01
RP11-432J22.2	-0.47	2.46E-01	3.00E-01
MCTS1	0.15	2.46E-01	3.00E-01
FAM71F2	-0.46	2.46E-01	3.00E-01
RP11-796E10.1	-0.88	2.46E-01	3.00E-01
SLC35G5	0.76	2.47E-01	3.01E-01
KIAA0355	0.09	2.47E-01	3.01E-01
MRVI1-AS1	-0.64	2.47E-01	3.01E-01
CHRFAM7A	-0.87	2.47E-01	3.01E-01
NANOS3	0.93	2.47E-01	3.01E-01
ZNF133	0.14	2.47E-01	3.01E-01
CTD-2095E4.4	-0.64	2.47E-01	3.01E-01
XLOC_011520	1.24	2.47E-01	3.01E-01
RP1-182O16.2	-1.19	2.47E-01	3.01E-01
NUPR1L	-0.59	2.47E-01	3.01E-01
RNU6-1053P	-1.02	2.47E-01	3.01E-01
AL109947.1	-1.50	2.47E-01	3.01E-01
CTA-221G9.12	-0.33	2.47E-01	3.01E-01
SMIM2-AS1	-0.72	2.47E-01	3.01E-01
CCL13	0.71	2.47E-01	3.01E-01
SPIN4-AS1	1.48	2.48E-01	3.02E-01
TMEM51-AS1	0.39	2.48E-01	3.02E-01
DAPK1	0.33	2.48E-01	3.02E-01
GOLGA8I	-0.93	2.48E-01	3.02E-01
ACP1	0.14	2.48E-01	3.02E-01
CYP51A1-AS1	0.67	2.48E-01	3.02E-01
NLRC4	0.41	2.48E-01	3.02E-01
C17orf107	0.28	2.48E-01	3.02E-01
RNA5SP217	-1.18	2.48E-01	3.03E-01
TRBV20-1	1.03	2.49E-01	3.03E-01
RP3-370M22.8	-1.43	2.49E-01	3.03E-01
CTD-2553L13.9	0.64	2.49E-01	3.03E-01
TRAJ20	-1.73	2.49E-01	3.03E-01
CAMK1	0.53	2.49E-01	3.03E-01

FNBP4	0.22	2.49E-01	3.03E-01
ZDHHC16	0.17	2.49E-01	3.03E-01
SLC25A30-AS1	-1.26	2.49E-01	3.03E-01
CPSF3	-0.13	2.49E-01	3.03E-01
CTD-3193K9.11	1.35	2.49E-01	3.03E-01
RP11-4C20.4	0.98	2.49E-01	3.03E-01
HSPB9	0.73	2.49E-01	3.03E-01
ZNF497	0.38	2.49E-01	3.03E-01
RP11-760L24.1	-1.08	2.49E-01	3.03E-01
RP5-1068E13.7	-0.33	2.49E-01	3.03E-01
PARS2	-0.20	2.49E-01	3.03E-01
C1orf168	-1.26	2.49E-01	3.04E-01
CTD-3105H18.11	-1.23	2.49E-01	3.04E-01
XLOC_010295	6.05	2.49E-01	3.04E-01
RP11-353N4.4	-1.05	2.50E-01	3.04E-01
NUDT7	-0.28	2.50E-01	3.04E-01
CPT1B	0.69	2.50E-01	3.04E-01
TRIQK	-0.21	2.50E-01	3.04E-01
ZNF140	0.15	2.50E-01	3.04E-01
NCAPD2	0.15	2.50E-01	3.04E-01
RP13-16H11.5	-1.17	2.50E-01	3.04E-01
TMEM18	0.15	2.50E-01	3.04E-01
SLC36A2	-1.11	2.50E-01	3.04E-01
RN7SKP78	0.64	2.50E-01	3.04E-01
FAM204A	-0.12	2.50E-01	3.04E-01
GAST	1.91	2.51E-01	3.05E-01
PROK2	0.97	2.51E-01	3.05E-01
BET1	0.19	2.51E-01	3.05E-01
CTA-292E10.6	-0.29	2.51E-01	3.05E-01
DLX4	0.39	2.51E-01	3.05E-01
CTB-129P6.7	-0.71	2.51E-01	3.06E-01
RP11-465B22.8	-0.63	2.51E-01	3.06E-01
INHBE	0.78	2.51E-01	3.06E-01
RP11-109D9.4	1.01	2.51E-01	3.06E-01
COL17A1	-0.20	2.52E-01	3.06E-01
VBP1	-0.19	2.52E-01	3.06E-01
XXbac-BPG157A10.21	0.83	2.52E-01	3.06E-01
LINC00377	-1.70	2.52E-01	3.06E-01
ANKDD1A	0.38	2.52E-01	3.06E-01
CLIC2	0.39	2.52E-01	3.06E-01
AL022476.2	-0.56	2.52E-01	3.06E-01
CCDC73	-0.77	2.52E-01	3.06E-01
FABP7P1	0.87	2.52E-01	3.06E-01
C1DP1	-1.64	2.52E-01	3.06E-01
FKBP5	0.33	2.52E-01	3.06E-01

ZNF415	0.36	2.52E-01	3.06E-01
CASC18	-0.77	2.52E-01	3.07E-01
C1orf52	0.10	2.52E-01	3.07E-01
G32125	0.56	2.52E-01	3.07E-01
SLC25A32	-0.17	2.52E-01	3.07E-01
SHMT1	-0.17	2.52E-01	3.07E-01
AIFM3	-0.54	2.53E-01	3.07E-01
SPTBN5	-0.38	2.53E-01	3.07E-01
SUMO2P19	-1.26	2.53E-01	3.07E-01
SPEF1	-0.69	2.53E-01	3.07E-01
UNC5D	-0.84	2.53E-01	3.07E-01
RP3-473B4.3	-1.00	2.53E-01	3.08E-01
GCNT3	0.71	2.53E-01	3.08E-01
TMEM151A	1.09	2.53E-01	3.08E-01
RP5-940J5.3	-1.58	2.53E-01	3.08E-01
NBPF20	0.24	2.53E-01	3.08E-01
ATP1A3	0.74	2.53E-01	3.08E-01
PAPLN	-0.34	2.54E-01	3.08E-01
SLC20A2	0.15	2.54E-01	3.08E-01
HTR3B	1.30	2.54E-01	3.08E-01
NCAM2	-0.41	2.54E-01	3.08E-01
SLC4A10	0.88	2.54E-01	3.08E-01
CASK	-0.13	2.54E-01	3.08E-01
UQCRC2	0.18	2.54E-01	3.08E-01
RP11-166B2.1	0.77	2.54E-01	3.08E-01
DDX12P	0.36	2.54E-01	3.08E-01
RP11-128A17.2	-1.30	2.54E-01	3.09E-01
RP11-611L7.2	-0.62	2.54E-01	3.09E-01
AC006014.8	-1.09	2.54E-01	3.09E-01
DPF1	0.46	2.54E-01	3.09E-01
PCLO	-0.37	2.54E-01	3.09E-01
BX322557.10	0.31	2.55E-01	3.09E-01
WFDC10B	1.21	2.55E-01	3.09E-01
RP11-165F24.5	-1.19	2.55E-01	3.10E-01
RPL32	0.17	2.55E-01	3.10E-01
VAMP3	0.15	2.55E-01	3.10E-01
RSF1-IT1	-0.78	2.55E-01	3.10E-01
LINC00473	1.40	2.56E-01	3.10E-01
RP11-10C24.1	-0.27	2.56E-01	3.10E-01
LINC00683	-0.73	2.56E-01	3.11E-01
GCC1	-0.13	2.56E-01	3.11E-01
RP11-22A3.2	-1.16	2.56E-01	3.11E-01
XIRP1	0.96	2.56E-01	3.11E-01
NPIPA1	0.34	2.56E-01	3.11E-01
RP11-438D8.2	-1.04	2.56E-01	3.11E-01

DNASE1L2	-0.40	2.56E-01	3.11E-01
HCG15	-0.71	2.56E-01	3.11E-01
SLC12A2	-0.52	2.56E-01	3.11E-01
ESPL1	-0.22	2.56E-01	3.11E-01
PARP15	-0.57	2.57E-01	3.11E-01
NUTM2A	-0.60	2.57E-01	3.12E-01
RP1-56K13.2	-0.61	2.57E-01	3.12E-01
TRANK1	0.29	2.57E-01	3.12E-01
CCDC81	0.43	2.57E-01	3.12E-01
RP11-138B9.1	-1.16	2.57E-01	3.12E-01
MRC1	1.11	2.57E-01	3.12E-01
RP11-680G10.1	-1.51	2.57E-01	3.12E-01
RP11-255E6.6	0.91	2.57E-01	3.12E-01
EDC4	-0.13	2.57E-01	3.12E-01
PPP1R27	-0.64	2.57E-01	3.12E-01
RP11-496D24.2	-1.32	2.58E-01	3.12E-01
THOC2	-0.12	2.58E-01	3.12E-01
RP3-404F18.5	0.72	2.58E-01	3.12E-01
MRPS17	0.21	2.58E-01	3.13E-01
XLOC_009869	-0.92	2.58E-01	3.13E-01
CTD-2033A16.2	-1.09	2.58E-01	3.13E-01
RPS12P5	1.21	2.58E-01	3.13E-01
KRTAP5-4	1.11	2.58E-01	3.13E-01
RP11-253I19.3	-0.66	2.58E-01	3.13E-01
CWH43	0.24	2.58E-01	3.13E-01
RP11-44M6.3	-0.68	2.58E-01	3.13E-01
VDAC1P4	-1.05	2.58E-01	3.13E-01
RP1-92O14.3	-0.33	2.58E-01	3.13E-01
RP11-567J20.1	1.05	2.59E-01	3.14E-01
LRP12	-0.17	2.59E-01	3.14E-01
G16904	-0.46	2.59E-01	3.14E-01
CTA-445C9.14	-0.25	2.59E-01	3.14E-01
RP11-157F20.3	-0.91	2.59E-01	3.14E-01
RABL2A	-0.24	2.59E-01	3.14E-01
SPDYE6	-0.45	2.59E-01	3.14E-01
GPR143	-0.35	2.59E-01	3.14E-01
G38528	0.92	2.59E-01	3.14E-01
DNAJC15	0.22	2.59E-01	3.14E-01
RP11-95P2.3	-0.43	2.59E-01	3.14E-01
FSD1L	-0.30	2.60E-01	3.14E-01
SERPINB8	0.25	2.60E-01	3.15E-01
C5orf24	-0.14	2.60E-01	3.15E-01
G29048	0.64	2.60E-01	3.15E-01
TMEM251	-0.21	2.60E-01	3.15E-01
DUSP18	0.18	2.60E-01	3.15E-01

MCCC2	-0.12	2.60E-01	3.15E-01
RP11-989F5.1	-1.62	2.60E-01	3.15E-01
CKAP2	-0.21	2.60E-01	3.16E-01
RP11-418J17.1	-0.24	2.61E-01	3.16E-01
SPAG8	-0.46	2.61E-01	3.16E-01
C22orf31	-0.40	2.61E-01	3.16E-01
RP11-417L19.5	-0.53	2.61E-01	3.16E-01
LINC00470	-2.02	2.61E-01	3.16E-01
RP11-758M4.4	-0.96	2.61E-01	3.16E-01
XLOC_008666	-0.50	2.61E-01	3.16E-01
RP11-356N1.2	-0.69	2.61E-01	3.16E-01
CTAGE8	-0.59	2.61E-01	3.17E-01
RP11-298C3.2	-1.04	2.62E-01	3.17E-01
RP11-130L8.2	-0.85	2.62E-01	3.17E-01
AP001604.3	-1.38	2.62E-01	3.17E-01
BRWD1-AS1	-0.86	2.62E-01	3.17E-01
G3878	1.15	2.62E-01	3.17E-01
AL357515.1	-0.64	2.62E-01	3.18E-01
RMND5B	0.15	2.62E-01	3.18E-01
RP11-661A12.12	0.76	2.63E-01	3.18E-01
BBS12	-0.19	2.63E-01	3.18E-01
SLBP	-0.14	2.63E-01	3.18E-01
ZNF425	-0.19	2.63E-01	3.18E-01
RP1-170O19.24	0.93	2.63E-01	3.18E-01
TM4SF1-AS1	1.11	2.63E-01	3.18E-01
HIST1H2APS4	-1.33	2.63E-01	3.18E-01
EPHA6	-0.69	2.63E-01	3.19E-01
RP11-398E10.1	-1.12	2.63E-01	3.19E-01
RP3-325F22.5	-0.64	2.63E-01	3.19E-01
CTB-147C22.9	-0.64	2.63E-01	3.19E-01
RAB39B	-0.54	2.64E-01	3.19E-01
MMRN1	0.47	2.64E-01	3.19E-01
C7orf25	-0.34	2.64E-01	3.19E-01
AC006111.1	-0.91	2.64E-01	3.19E-01
RP11-116O18.1	0.86	2.64E-01	3.19E-01
IGHV4-59	1.61	2.64E-01	3.20E-01
SLC7A13	-1.38	2.64E-01	3.20E-01
SNORA7	-0.54	2.64E-01	3.20E-01
CBR3	0.21	2.64E-01	3.20E-01
TMEM262	-0.45	2.64E-01	3.20E-01
SLC25A5P1	-1.10	2.64E-01	3.20E-01
MBTPS2	-0.13	2.64E-01	3.20E-01
GJB1	0.49	2.64E-01	3.20E-01
FAM177A1	0.15	2.64E-01	3.20E-01
HMGN1P38	0.68	2.64E-01	3.20E-01

HLA-J	-0.85	2.64E-01	3.20E-01
G11189	-0.55	2.65E-01	3.20E-01
SMPDL3B	0.41	2.65E-01	3.20E-01
RPL35A	0.18	2.65E-01	3.20E-01
JADE3	-0.12	2.65E-01	3.20E-01
RNF128	-0.27	2.65E-01	3.20E-01
AC013474.4	-1.25	2.65E-01	3.21E-01
TPT1P5	-0.95	2.65E-01	3.21E-01
NPFFR2	1.17	2.65E-01	3.21E-01
RP11-234K24.6	1.28	2.65E-01	3.21E-01
RP11-718B12.2	-1.30	2.66E-01	3.21E-01
METTL23	0.13	2.66E-01	3.21E-01
AC007950.2	-0.78	2.66E-01	3.21E-01
RHAG	1.08	2.66E-01	3.21E-01
SORT1	-0.15	2.66E-01	3.21E-01
RP11-713M15.2	1.08	2.66E-01	3.22E-01
COA5	0.12	2.66E-01	3.22E-01
PTCH2	0.63	2.66E-01	3.22E-01
ASXL3	0.69	2.66E-01	3.22E-01
RNF14	-0.13	2.66E-01	3.22E-01
AC008982.2	-0.45	2.66E-01	3.22E-01
RP11-50I19.2	-0.36	2.67E-01	3.22E-01
RP11-403I13.5	0.47	2.67E-01	3.22E-01
G38146	-0.50	2.67E-01	3.22E-01
RP11-205A8.4	-0.79	2.67E-01	3.22E-01
RBM5-AS1	0.57	2.67E-01	3.22E-01
CCT4P2	1.40	2.67E-01	3.22E-01
FAM103A1	0.22	2.67E-01	3.22E-01
GOLGA8K	0.89	2.67E-01	3.22E-01
RP11-505E24.3	-0.88	2.67E-01	3.22E-01
PTCHD3	0.89	2.67E-01	3.22E-01
STK4-AS1	0.53	2.67E-01	3.23E-01
RP11-421L21.3	-0.32	2.67E-01	3.23E-01
MYHAS	0.91	2.67E-01	3.23E-01
LINC01122	-1.37	2.67E-01	3.23E-01
G913	-0.65	2.68E-01	3.23E-01
NBPF9	-0.20	2.68E-01	3.23E-01
GPN1	0.13	2.68E-01	3.23E-01
DENND5B-AS1	-0.98	2.68E-01	3.24E-01
RP11-540O11.1	-0.48	2.68E-01	3.24E-01
PINK1-AS	-0.21	2.68E-01	3.24E-01
ZNF627	-0.16	2.68E-01	3.24E-01
FAM131A	0.16	2.68E-01	3.24E-01
RP11-385F5.5	-0.42	2.69E-01	3.24E-01
RP11-365O16.1	-1.23	2.69E-01	3.24E-01

ZNF446	0.22	2.69E-01	3.24E-01
CHRNA1	1.40	2.69E-01	3.24E-01
CTC-428G20.2	-1.10	2.69E-01	3.25E-01
CTAGE5	-0.25	2.69E-01	3.25E-01
CTD-2035E11.5	-0.49	2.69E-01	3.25E-01
EPHA1-AS1	-0.41	2.69E-01	3.25E-01
G26124	-0.96	2.69E-01	3.25E-01
PPIAP16	-0.93	2.69E-01	3.25E-01
RP11-73M18.7	-0.33	2.69E-01	3.25E-01
BRCC3	-0.15	2.69E-01	3.25E-01
NKPD1	0.36	2.69E-01	3.25E-01
RP3-395M20.9	0.71	2.69E-01	3.25E-01
RERGL	0.34	2.70E-01	3.25E-01
TMEM257	-0.95	2.70E-01	3.25E-01
CTD-3032J10.2	-1.21	2.70E-01	3.25E-01
G7779	0.96	2.70E-01	3.25E-01
NAP1L1P1	0.97	2.70E-01	3.25E-01
FDX1	-0.16	2.70E-01	3.25E-01
XLOC_005944	0.84	2.70E-01	3.25E-01
RP11-158I9.8	0.33	2.70E-01	3.25E-01
XLOC_013914	-0.83	2.70E-01	3.26E-01
G23691	0.82	2.70E-01	3.26E-01
PRRT3-AS1	-0.48	2.70E-01	3.26E-01
AF127936.7	-0.61	2.70E-01	3.26E-01
ALG13-AS1	-0.65	2.70E-01	3.26E-01
RP11-554D14.4	-1.33	2.70E-01	3.26E-01
STAM-AS1	-0.54	2.70E-01	3.26E-01
PRUNE2	-0.31	2.70E-01	3.26E-01
SEPHS1P6	1.10	2.71E-01	3.26E-01
CLP1	0.16	2.71E-01	3.26E-01
AL033378.1	-1.23	2.71E-01	3.26E-01
OSR2	0.43	2.71E-01	3.27E-01
UBE2J1	0.18	2.71E-01	3.27E-01
RP11-1096D5.2	1.78	2.71E-01	3.27E-01
SPG21	0.15	2.71E-01	3.27E-01
TRAJ31	1.04	2.71E-01	3.27E-01
G32331	-0.78	2.71E-01	3.27E-01
BCAT2	0.39	2.71E-01	3.27E-01
RP4-669P10.20	0.52	2.72E-01	3.27E-01
MYO18A	0.12	2.72E-01	3.27E-01
RP5-894D12.4	-1.28	2.72E-01	3.27E-01
NANOGP8	-1.46	2.72E-01	3.28E-01
MAP1LC3B2	-0.43	2.72E-01	3.28E-01
CD69	0.45	2.72E-01	3.28E-01
CCDC160	1.25	2.72E-01	3.28E-01

HM13-IT1	0.63	2.72E-01	3.28E-01
GMPR	0.33	2.72E-01	3.28E-01
CCDC90B	-0.18	2.72E-01	3.28E-01
TUBGCP6	0.27	2.72E-01	3.28E-01
G38688	0.55	2.72E-01	3.28E-01
RP11-188P17.2	-0.96	2.72E-01	3.28E-01
RP11-141M3.6	-0.58	2.72E-01	3.28E-01
ANXA1	0.21	2.72E-01	3.28E-01
SIDT1	0.40	2.73E-01	3.29E-01
ANKH	0.12	2.73E-01	3.29E-01
RP11-172C16.4	-1.54	2.73E-01	3.29E-01
CTB-129O4.1	1.21	2.73E-01	3.29E-01
MYH11	0.42	2.73E-01	3.29E-01
AP000807.2	-0.93	2.73E-01	3.29E-01
GAPDHP76	-1.19	2.73E-01	3.29E-01
RP11-1212A22.1	0.35	2.73E-01	3.29E-01
RP11-332H14.1	0.99	2.73E-01	3.29E-01
ST13P5	-1.23	2.74E-01	3.29E-01
RP11-49G2.3	-0.82	2.74E-01	3.30E-01
RP11-66B24.4	-0.27	2.74E-01	3.30E-01
CTD-2196E14.6	-0.50	2.74E-01	3.30E-01
RP11-761I4.5	-0.86	2.74E-01	3.30E-01
TSPAN2	0.31	2.74E-01	3.30E-01
EVC	-0.15	2.74E-01	3.30E-01
RP11-617B3.2	-1.47	2.74E-01	3.30E-01
PIGG	0.13	2.74E-01	3.30E-01
DDB1	-0.11	2.74E-01	3.30E-01
RP11-651L5.3	-0.61	2.74E-01	3.30E-01
TUBBP1	-0.74	2.74E-01	3.30E-01
PPP3R1	0.14	2.74E-01	3.30E-01
MIR186	-0.53	2.74E-01	3.30E-01
RP11-702H23.2	-0.91	2.75E-01	3.31E-01
RP5-1050D4.5	0.55	2.75E-01	3.31E-01
TNFAIP8L2	0.44	2.75E-01	3.31E-01
FAM27A	-0.51	2.75E-01	3.31E-01
A3GALT2	-1.22	2.75E-01	3.31E-01
ENPP7P7	-0.72	2.75E-01	3.31E-01
RP3-495K2.2	0.92	2.75E-01	3.31E-01
AC112198.1	0.95	2.75E-01	3.31E-01
ZNF750	0.19	2.75E-01	3.31E-01
RP11-654A16.3	-0.77	2.75E-01	3.31E-01
SNORD123	-1.04	2.76E-01	3.32E-01
MIR135A1	0.67	2.76E-01	3.32E-01
RP11-384L8.1	0.31	2.76E-01	3.32E-01
PDHA1	0.24	2.76E-01	3.32E-01

FCRL6	0.49	2.76E-01	3.32E-01
RP11-291B21.2	-1.00	2.76E-01	3.32E-01
PI16	-0.51	2.76E-01	3.32E-01
EGFEM1P	1.19	2.76E-01	3.32E-01
CLUAP1	0.18	2.76E-01	3.32E-01
RAB41	-0.40	2.76E-01	3.32E-01
CCDC144CP	-0.81	2.76E-01	3.33E-01
FAM177B	-0.84	2.77E-01	3.33E-01
RP5-915N17.11	-1.07	2.77E-01	3.33E-01
RP3-375P9.2	-1.28	2.77E-01	3.33E-01
UBE2F	0.12	2.77E-01	3.33E-01
EIF4E	-0.14	2.77E-01	3.33E-01
G27789	-1.04	2.77E-01	3.33E-01
RP11-370F5.4	-1.10	2.77E-01	3.33E-01
MRPL35P3	-1.29	2.77E-01	3.33E-01
RP11-96H19.1	0.39	2.77E-01	3.33E-01
LINC01121	1.10	2.77E-01	3.34E-01
FAM3B	0.57	2.77E-01	3.34E-01
CTB-109A12.1	-0.92	2.78E-01	3.34E-01
CFTR	0.71	2.78E-01	3.34E-01
HADHB	0.15	2.78E-01	3.34E-01
IGF2BP2	0.29	2.78E-01	3.34E-01
RP1-18D14.7	-0.80	2.78E-01	3.34E-01
FUCA1	0.22	2.78E-01	3.34E-01
FPR2	0.77	2.78E-01	3.34E-01
CD68	-1.44	2.78E-01	3.35E-01
KCNN1	0.77	2.78E-01	3.35E-01
GRK4	0.25	2.78E-01	3.35E-01
RP11-529E10.6	-0.37	2.78E-01	3.35E-01
ZNF781	-0.51	2.78E-01	3.35E-01
RP11-455G16.1	-0.78	2.79E-01	3.35E-01
COPS5	-0.11	2.79E-01	3.35E-01
RAET1E-AS1	-0.25	2.79E-01	3.35E-01
TMEM30C	-1.06	2.79E-01	3.35E-01
AC009005.2	0.78	2.79E-01	3.35E-01
SIRPB1	0.99	2.79E-01	3.35E-01
DHFRP1	1.02	2.79E-01	3.36E-01
C11orf73	0.12	2.80E-01	3.36E-01
NTN3	-0.94	2.80E-01	3.36E-01
TMEM71	-0.43	2.80E-01	3.36E-01
RP11-22P6.2	0.72	2.80E-01	3.36E-01
AC005304.1	-1.16	2.80E-01	3.36E-01
RP11-337N6.3	-0.84	2.80E-01	3.36E-01
NCAPGP1	1.11	2.80E-01	3.36E-01
RP11-7O11.3	0.54	2.80E-01	3.36E-01

STARD4-AS1	-0.34	2.80E-01	3.36E-01
RP11-461O7.1	-0.61	2.80E-01	3.36E-01
ANKRD20A8P	1.16	2.80E-01	3.36E-01
G31133	-0.49	2.80E-01	3.36E-01
MIR126	0.99	2.80E-01	3.36E-01
SIAH2-AS1	-0.47	2.80E-01	3.37E-01
BNIP3L	0.22	2.80E-01	3.37E-01
RP4-686C3.7	1.08	2.80E-01	3.37E-01
STX6	0.12	2.81E-01	3.37E-01
PPIL1	0.23	2.81E-01	3.37E-01
LIN52	0.13	2.81E-01	3.37E-01
PKD2	0.14	2.81E-01	3.37E-01
CYP2A6	-0.54	2.81E-01	3.37E-01
PDCD6	-0.09	2.81E-01	3.37E-01
LIF	0.49	2.81E-01	3.37E-01
DRAM2	0.12	2.81E-01	3.38E-01
XLOC_001061	1.23	2.81E-01	3.38E-01
RP11-225N10.1	-1.48	2.81E-01	3.38E-01
G17695	-1.52	2.81E-01	3.38E-01
RP11-848P1.5	0.81	2.81E-01	3.38E-01
RP11-164J13.1	-0.53	2.81E-01	3.38E-01
NAP1L1	0.14	2.81E-01	3.38E-01
hsa-mir-3181	-0.98	2.82E-01	3.38E-01
CCBL2	-0.15	2.82E-01	3.38E-01
SAPCD1	-0.79	2.82E-01	3.38E-01
TBX22	1.11	2.82E-01	3.38E-01
SREK1IP1	-0.19	2.82E-01	3.38E-01
RP13-225O21.5	-1.13	2.82E-01	3.39E-01
RP11-159D12.6	-0.36	2.82E-01	3.39E-01
AGAP11	-1.05	2.82E-01	3.39E-01
CTC-490E21.11	0.51	2.82E-01	3.39E-01
TMEFF2	-0.89	2.82E-01	3.39E-01
MRPL30	-0.14	2.83E-01	3.39E-01
GUCY2D	0.50	2.83E-01	3.39E-01
RP11-831F12.3	-0.76	2.83E-01	3.39E-01
G31329	0.69	2.83E-01	3.39E-01
CTC-428G20.1	-0.78	2.83E-01	3.39E-01
G22374	-0.51	2.83E-01	3.39E-01
CCNB1IP1	0.13	2.83E-01	3.39E-01
DIS3L2	0.15	2.83E-01	3.39E-01
NPAS2	0.32	2.83E-01	3.39E-01
RUFY4	-1.39	2.83E-01	3.40E-01
PRKAR2A-AS1	0.39	2.83E-01	3.40E-01
SNRPCP16	-1.37	2.84E-01	3.40E-01
STEAP2-AS1	-1.13	2.84E-01	3.40E-01

IFT172	-0.15	2.84E-01	3.40E-01
RP11-418H16.1	-0.90	2.84E-01	3.40E-01
XKR6	-0.26	2.84E-01	3.40E-01
AKAP7	0.21	2.84E-01	3.40E-01
RP11-70C1.3	-1.16	2.84E-01	3.40E-01
RP11-37L2.1	-0.89	2.84E-01	3.41E-01
AC007040.11	-0.98	2.85E-01	3.41E-01
RP1-43E13.2	-0.67	2.85E-01	3.41E-01
BBOX1	-0.30	2.85E-01	3.41E-01
PTPRO	-0.48	2.85E-01	3.42E-01
RP11-634H22.1	0.74	2.85E-01	3.42E-01
BTF3L4P2	-0.65	2.85E-01	3.42E-01
S100A3	0.68	2.85E-01	3.42E-01
RP11-702H23.4	-1.37	2.85E-01	3.42E-01
OGFOD1	-0.13	2.85E-01	3.42E-01
SPACA4	-0.55	2.86E-01	3.42E-01
FBXO24	-0.51	2.86E-01	3.42E-01
RP11-54O7.1	-1.14	2.86E-01	3.42E-01
ACY1	0.41	2.86E-01	3.42E-01
AL132868.1	-1.23	2.86E-01	3.42E-01
AMELX	-1.63	2.86E-01	3.42E-01
AC007879.7	0.73	2.86E-01	3.42E-01
G36500	-0.83	2.86E-01	3.42E-01
RNU6-130P	-0.69	2.86E-01	3.43E-01
RTN4IP1	0.18	2.86E-01	3.43E-01
BAALC-AS1	0.22	2.86E-01	3.43E-01
RP11-692N5.2	-0.88	2.86E-01	3.43E-01
G16208	5.61	2.86E-01	3.43E-01
G40027	-0.81	2.86E-01	3.43E-01
RP11-47P18.1	-2.80	2.86E-01	3.43E-01
CRCP	-0.12	2.86E-01	3.43E-01
LINC01468	0.94	2.86E-01	3.43E-01
RARSP1	-1.44	2.86E-01	3.43E-01
VIPR1	0.25	2.86E-01	3.43E-01
TTC38	0.25	2.86E-01	3.43E-01
RP11-677M14.3	0.47	2.86E-01	3.43E-01
AC092669.3	-0.53	2.87E-01	3.43E-01
RP11-532F12.5	0.27	2.87E-01	3.43E-01
C2CD2L	0.18	2.87E-01	3.43E-01
TMEM14B	0.17	2.87E-01	3.44E-01
NAMA	-1.06	2.87E-01	3.44E-01
ZNF98	-0.92	2.87E-01	3.44E-01
RP11-65B7.2	-1.33	2.87E-01	3.44E-01
PLPP3	-0.37	2.88E-01	3.44E-01
RP11-646E18.4	0.51	2.88E-01	3.44E-01

DDX59	-0.11	2.88E-01	3.44E-01
AC002550.6	0.48	2.88E-01	3.44E-01
RP11-70C1.1	-1.12	2.88E-01	3.44E-01
R3HDM1	0.15	2.88E-01	3.44E-01
G19167	-0.97	2.88E-01	3.44E-01
CHPT1	-0.24	2.88E-01	3.44E-01
AC005301.8	-1.09	2.88E-01	3.44E-01
ERC2	0.51	2.88E-01	3.45E-01
CCR7	0.50	2.88E-01	3.45E-01
CES1	-0.46	2.88E-01	3.45E-01
DUX4L50	-0.34	2.88E-01	3.45E-01
RP11-697E2.9	-0.84	2.88E-01	3.45E-01
ADRA1A	-0.62	2.88E-01	3.45E-01
RBMS1	0.11	2.89E-01	3.45E-01
JARID2	-0.17	2.89E-01	3.45E-01
MIXL1	-0.86	2.89E-01	3.45E-01
CTD-2373H9.3	0.63	2.89E-01	3.45E-01
PDLIM4	0.24	2.89E-01	3.46E-01
EFCAB2	0.38	2.89E-01	3.46E-01
AOX3P	-0.96	2.89E-01	3.46E-01
CIITA	-0.23	2.89E-01	3.46E-01
TRAV13-1	1.04	2.89E-01	3.46E-01
PCAT14	0.89	2.89E-01	3.46E-01
ADAMTS7P3	0.60	2.89E-01	3.46E-01
KCTD7	0.25	2.89E-01	3.46E-01
NDUFAF4	-0.20	2.90E-01	3.46E-01
RP11-109P11.1	-0.72	2.90E-01	3.46E-01
G20113	-0.66	2.90E-01	3.47E-01
PNMT	0.96	2.90E-01	3.47E-01
SRSF10P1	-1.28	2.90E-01	3.47E-01
ABCC12	-1.73	2.90E-01	3.47E-01
TRAPPC3L	1.10	2.90E-01	3.47E-01
FXYD7	0.90	2.90E-01	3.47E-01
KCNJ16	-0.79	2.91E-01	3.47E-01
AK4P3	-0.93	2.91E-01	3.47E-01
RPS24	-0.19	2.91E-01	3.48E-01
MGST2	0.17	2.91E-01	3.48E-01
RP11-231N9.1	-1.44	2.91E-01	3.48E-01
CCDC144A	-1.12	2.91E-01	3.48E-01
FABP5P2	0.88	2.91E-01	3.48E-01
PVRL3-AS1	-0.88	2.91E-01	3.48E-01
KIAA1257	0.34	2.92E-01	3.48E-01
RP11-507J18.2	-1.23	2.92E-01	3.49E-01
RP11-770J1.3	0.71	2.92E-01	3.49E-01
PIGC	0.14	2.92E-01	3.49E-01

EPB41L3	0.22	2.92E-01	3.49E-01
RP11-399K21.11	-1.23	2.92E-01	3.49E-01
LHX8	5.53	2.92E-01	3.49E-01
FAM114A2	0.13	2.92E-01	3.49E-01
RNF34	-0.12	2.92E-01	3.49E-01
C12orf71	-0.86	2.92E-01	3.49E-01
C3orf20	-0.55	2.92E-01	3.49E-01
HPX	0.43	2.93E-01	3.50E-01
FAM212B	0.18	2.93E-01	3.50E-01
MIS12	-0.17	2.93E-01	3.50E-01
RCVRN	-0.61	2.93E-01	3.50E-01
RP11-187A9.3	0.57	2.93E-01	3.50E-01
IFITM4P	-1.23	2.93E-01	3.50E-01
AGAP8	0.66	2.93E-01	3.50E-01
ABCG1	0.27	2.93E-01	3.50E-01
RP11-160O5.1	-0.45	2.93E-01	3.50E-01
XLOC_005081	1.19	2.93E-01	3.50E-01
G32994	0.62	2.93E-01	3.50E-01
UBE2QL1	0.59	2.93E-01	3.50E-01
RPL21P44	-0.50	2.94E-01	3.51E-01
TTC8	-0.14	2.94E-01	3.51E-01
LMF1-AS1	-0.68	2.94E-01	3.51E-01
TBX15	0.40	2.94E-01	3.51E-01
KEL	0.67	2.94E-01	3.51E-01
CD27-AS1	0.30	2.94E-01	3.51E-01
CHRM3	0.82	2.94E-01	3.51E-01
RP11-572O17.1	-0.49	2.94E-01	3.51E-01
P2RX1	0.48	2.94E-01	3.51E-01
AC104306.1	-1.27	2.95E-01	3.52E-01
RP11-755E23.2	-0.88	2.95E-01	3.52E-01
LINC00115	-0.42	2.95E-01	3.52E-01
CMTM1	0.42	2.95E-01	3.52E-01
P2RY11	-0.25	2.95E-01	3.52E-01
NCALD	0.51	2.95E-01	3.52E-01
RP11-889D3.2	2.14	2.95E-01	3.52E-01
XRN2	0.12	2.95E-01	3.52E-01
RP11-42O15.3	-0.81	2.95E-01	3.52E-01
SEMA4G	-0.30	2.95E-01	3.52E-01
UNC5CL	0.39	2.95E-01	3.52E-01
RP11-338E21.3	-1.34	2.95E-01	3.53E-01
DDB2	0.14	2.96E-01	3.53E-01
FAHD2B	0.19	2.96E-01	3.53E-01
TIGD2	0.15	2.96E-01	3.53E-01
XXbac-BPG249D20.9	-0.61	2.96E-01	3.53E-01
RAB4A	-0.14	2.96E-01	3.53E-01

AC139099.5	-0.88	2.96E-01	3.53E-01
RP11-96C23.13	-1.20	2.96E-01	3.53E-01
G26311	1.15	2.96E-01	3.53E-01
CHD1L	-0.12	2.97E-01	3.54E-01
CTD-2651B20.3	-0.73	2.97E-01	3.54E-01
AC015815.2	-1.18	2.97E-01	3.54E-01
ETNK2	0.30	2.97E-01	3.54E-01
CTD-2288F12.1	-0.51	2.97E-01	3.54E-01
AC079305.10	0.43	2.97E-01	3.54E-01
SLA	0.32	2.97E-01	3.54E-01
GNMT	0.62	2.97E-01	3.54E-01
CTD-3131K8.2	-0.40	2.97E-01	3.54E-01
ZNF142	0.17	2.97E-01	3.54E-01
AL137127.1	-0.76	2.97E-01	3.55E-01
RP11-1024P17.1	-0.32	2.97E-01	3.55E-01
CTC-325J23.2	-1.10	2.98E-01	3.55E-01
LINC00674	0.23	2.98E-01	3.55E-01
RP11-755F10.3	-0.69	2.98E-01	3.55E-01
PAPSS1	0.13	2.98E-01	3.55E-01
LA16c-385E7.1	-1.13	2.98E-01	3.55E-01
AMBP	-0.59	2.98E-01	3.55E-01
CTD-2530N21.4	-0.43	2.98E-01	3.55E-01
RP5-1057I20.4	-0.76	2.98E-01	3.55E-01
RP11-251G23.2	0.83	2.98E-01	3.55E-01
XLOC_013863	-0.90	2.98E-01	3.55E-01
RP4-647J21.1	0.62	2.98E-01	3.55E-01
RP11-760H22.2	-0.25	2.98E-01	3.55E-01
RPS17P1	-1.25	2.98E-01	3.56E-01
PARP2	-0.12	2.99E-01	3.56E-01
CATSPERB	-0.41	2.99E-01	3.56E-01
GABARAPL2	0.19	2.99E-01	3.56E-01
MRPL35P2	-0.86	2.99E-01	3.56E-01
G31837	0.67	2.99E-01	3.56E-01
8-Sep	0.16	2.99E-01	3.56E-01
C16orf87	-0.17	2.99E-01	3.56E-01
SOX21-AS1	-0.19	2.99E-01	3.56E-01
TPI1P2	-0.29	2.99E-01	3.57E-01
THAP10	0.24	3.00E-01	3.57E-01
RP11-10C24.3	0.26	3.00E-01	3.57E-01
RP11-46F15.2	0.69	3.00E-01	3.57E-01
RP11-320P7.2	-1.07	3.00E-01	3.57E-01
bP-2171C21.4	1.15	3.00E-01	3.58E-01
ZNF391	0.23	3.00E-01	3.58E-01
PIGW	-0.20	3.00E-01	3.58E-01
CLDN14	0.83	3.00E-01	3.58E-01

DHRS9	-0.44	3.01E-01	3.58E-01
CTB-75G16.3	-1.15	3.01E-01	3.58E-01
ANP32E	-0.19	3.01E-01	3.58E-01
FAM168A	0.12	3.01E-01	3.58E-01
GTF3C2	0.12	3.01E-01	3.58E-01
PPTC7	0.16	3.01E-01	3.58E-01
BRAFP1	-1.02	3.01E-01	3.59E-01
AC087793.1	-0.81	3.01E-01	3.59E-01
RP11-136K14.3	-1.01	3.02E-01	3.59E-01
AC008592.5	-0.87	3.02E-01	3.59E-01
ALKBH1	0.11	3.02E-01	3.59E-01
MRPL48	0.18	3.02E-01	3.59E-01
OR1L8	0.94	3.02E-01	3.59E-01
EHHADH	0.18	3.02E-01	3.59E-01
ZSCAN30	-0.17	3.02E-01	3.59E-01
RPL10AP6	0.27	3.02E-01	3.60E-01
TONSL-AS1	-1.00	3.02E-01	3.60E-01
SREK1	0.20	3.02E-01	3.60E-01
RP11-247A12.7	1.02	3.02E-01	3.60E-01
RP11-194N12.2	0.62	3.02E-01	3.60E-01
AF001548.5	-0.46	3.02E-01	3.60E-01
RP11-386G11.5	-0.55	3.03E-01	3.60E-01
G7791	0.65	3.03E-01	3.60E-01
AC137932.6	0.77	3.03E-01	3.60E-01
NPIPB15	-0.82	3.03E-01	3.61E-01
IGKV1-39	-1.71	3.03E-01	3.61E-01
C19orf80	-0.64	3.03E-01	3.61E-01
AC007249.3	-1.09	3.03E-01	3.61E-01
PTPRG-AS1	-0.39	3.03E-01	3.61E-01
AC114494.1	0.98	3.03E-01	3.61E-01
TECTA	0.40	3.03E-01	3.61E-01
BIRC7	-0.41	3.04E-01	3.61E-01
KCNS1	0.39	3.04E-01	3.61E-01
FER1L6	0.89	3.04E-01	3.61E-01
GK	-0.29	3.04E-01	3.61E-01
RFTN2	0.29	3.04E-01	3.61E-01
FTH1P8	0.83	3.04E-01	3.61E-01
RP11-544M22.1	0.85	3.04E-01	3.61E-01
AC073850.6	0.92	3.04E-01	3.61E-01
RP11-640I15.1	0.82	3.04E-01	3.62E-01
CLEC2L	0.85	3.04E-01	3.62E-01
SDCCAG8	0.13	3.04E-01	3.62E-01
RP11-154H23.4	-0.82	3.04E-01	3.62E-01
RP5-1074L1.1	-0.62	3.04E-01	3.62E-01
RP11-347I19.8	-0.54	3.04E-01	3.62E-01

MAP1A	-0.38	3.04E-01	3.62E-01
SYNM	-0.41	3.04E-01	3.62E-01
FOXD4	-0.74	3.04E-01	3.62E-01
SOCS5	-0.14	3.04E-01	3.62E-01
CRB3	0.20	3.05E-01	3.62E-01
AC005336.4	0.90	3.05E-01	3.62E-01
PRB3	-0.66	3.05E-01	3.62E-01
XLOC_009782	-1.12	3.05E-01	3.62E-01
RP11-843B15.4	-0.94	3.05E-01	3.62E-01
NFKB1	0.09	3.05E-01	3.62E-01
SELL	0.48	3.05E-01	3.63E-01
RP4-550H1.4	-0.98	3.05E-01	3.63E-01
GAPDHP14	0.86	3.05E-01	3.63E-01
SRR	-0.21	3.06E-01	3.63E-01
RAB14	-0.12	3.06E-01	3.63E-01
C2orf48	-0.56	3.06E-01	3.63E-01
RNASE7	-0.36	3.06E-01	3.64E-01
SUB1	0.19	3.06E-01	3.64E-01
LINC01088	0.47	3.06E-01	3.64E-01
BIVM	0.16	3.06E-01	3.64E-01
RP11-848G14.5	-0.60	3.06E-01	3.64E-01
ZSCAN21	0.14	3.07E-01	3.64E-01
RPL39P3	-0.42	3.07E-01	3.64E-01
ALKBH6	-0.35	3.07E-01	3.64E-01
ANKRD26P3	-1.05	3.07E-01	3.64E-01
RUSC1-AS1	-0.45	3.07E-01	3.65E-01
RP11-539L10.5	-0.98	3.07E-01	3.65E-01
RP11-5C23.1	0.24	3.07E-01	3.65E-01
TBC1D3	0.59	3.07E-01	3.65E-01
RP3-333H23.9	-0.62	3.07E-01	3.65E-01
UPK2	1.01	3.08E-01	3.65E-01
CLEC2B	-0.23	3.08E-01	3.65E-01
RP4-751H13.5	-0.35	3.08E-01	3.66E-01
ZNF415P1	-0.69	3.08E-01	3.66E-01
LRRIQ3	0.47	3.08E-01	3.66E-01
OR1J1	-1.52	3.09E-01	3.66E-01
MIR27A	-0.62	3.09E-01	3.67E-01
TMEM185AP1	-0.79	3.09E-01	3.67E-01
AC097381.1	-1.05	3.09E-01	3.67E-01
AC112229.1	1.17	3.09E-01	3.67E-01
BCAS2	0.18	3.09E-01	3.67E-01
FIGN	-0.27	3.09E-01	3.67E-01
CTD-2595P9.4	1.07	3.09E-01	3.67E-01
C4orf19	-0.35	3.09E-01	3.67E-01
ARHGEF10L	0.13	3.10E-01	3.67E-01

SLC29A1	0.18	3.10E-01	3.67E-01
RP6-65G23.3	-0.31	3.10E-01	3.67E-01
NIPSNAP3A	-0.21	3.10E-01	3.68E-01
XLOC_005449	-0.76	3.10E-01	3.68E-01
AC084809.2	-0.62	3.10E-01	3.68E-01
CTA-286B10.7	-1.20	3.10E-01	3.68E-01
PTPRG	0.31	3.10E-01	3.68E-01
WI2-1896O14.1	-0.59	3.10E-01	3.68E-01
CTC-479C5.12	-0.44	3.10E-01	3.68E-01
UPF3BP2	-0.91	3.10E-01	3.68E-01
ERVFRD-3	-1.04	3.11E-01	3.69E-01
OTOP3	0.68	3.11E-01	3.69E-01
PAPPA	-0.37	3.11E-01	3.69E-01
RP11-507E23.1	-0.83	3.11E-01	3.69E-01
RP11-438E8.2	-1.24	3.11E-01	3.69E-01
RFK	0.21	3.11E-01	3.69E-01
AF196972.9	0.68	3.11E-01	3.69E-01
MTMR11	-0.19	3.11E-01	3.69E-01
BTN2A2	-0.15	3.11E-01	3.69E-01
IGF2BP2-AS1	-0.68	3.11E-01	3.69E-01
PVRL4	-0.17	3.11E-01	3.69E-01
LDLRAD3	-0.14	3.11E-01	3.69E-01
G28250	0.73	3.11E-01	3.69E-01
RP11-641C17.1	-0.87	3.11E-01	3.69E-01
RP11-20I23.6	-0.97	3.11E-01	3.69E-01
G32695	0.87	3.11E-01	3.69E-01
ANKRD20A19P	-0.78	3.11E-01	3.69E-01
CHRNA10	-0.42	3.11E-01	3.69E-01
BTK	-0.32	3.12E-01	3.69E-01
ST8SIA1	0.24	3.12E-01	3.70E-01
PSMC2	0.17	3.12E-01	3.70E-01
RP3-402G11.25	0.57	3.12E-01	3.70E-01
CD86	0.40	3.12E-01	3.70E-01
LINC01230	1.25	3.13E-01	3.71E-01
CASP3	0.15	3.13E-01	3.71E-01
TNR	-1.15	3.13E-01	3.71E-01
MIR106B	-1.36	3.13E-01	3.71E-01
KRT75	0.88	3.13E-01	3.71E-01
TREML2	-0.87	3.13E-01	3.71E-01
RP5-1096J16.1	-1.30	3.13E-01	3.71E-01
SDAD1P1	-0.21	3.13E-01	3.71E-01
RP11-166N17.3	-0.79	3.13E-01	3.71E-01
CTC-492K19.4	0.58	3.14E-01	3.72E-01
RP11-97O12.7	0.71	3.14E-01	3.72E-01
RP11-267M23.4	-0.40	3.14E-01	3.72E-01

Gene	Value	P	Q
PRAC1	5.29	3.14E-01	3.72E-01
KB-1448A5.1	-1.06	3.14E-01	3.72E-01
TCEAL5	1.11	3.14E-01	3.72E-01
VGLL1	1.72	3.14E-01	3.73E-01
RP11-427J23.1	-0.82	3.15E-01	3.73E-01
LDLRAD4	-0.29	3.15E-01	3.73E-01
PTGFR	0.53	3.15E-01	3.73E-01
RP1-20N2.8	-0.39	3.15E-01	3.73E-01
SKA2	-0.18	3.15E-01	3.73E-01
AC005387.2	-0.64	3.15E-01	3.73E-01
RP11-876N24.3	-0.37	3.15E-01	3.73E-01
RP11-365O16.3	0.54	3.15E-01	3.73E-01
CRYZ	-0.27	3.15E-01	3.73E-01
MBNL1-AS1	-0.17	3.15E-01	3.73E-01
G23403	-0.60	3.15E-01	3.73E-01
UGT1A1	-0.52	3.15E-01	3.73E-01
RP11-356M20.3	-0.68	3.15E-01	3.74E-01
SH2D4B	0.69	3.15E-01	3.74E-01
CCL26	0.48	3.16E-01	3.74E-01
RP11-495P10.1	-0.72	3.16E-01	3.74E-01
CTD-2649C14.3	0.92	3.16E-01	3.74E-01
G12797	-0.88	3.16E-01	3.74E-01
RP11-552F3.10	-0.52	3.16E-01	3.74E-01
EGFL8	0.50	3.16E-01	3.74E-01
RP11-659E9.2	-1.00	3.16E-01	3.74E-01
TOX3	0.58	3.16E-01	3.74E-01
NOCT	0.23	3.16E-01	3.74E-01
SLAMF6	0.52	3.16E-01	3.74E-01
RP11-439A17.9	0.58	3.16E-01	3.74E-01
RP11-423O2.5	-0.53	3.16E-01	3.74E-01
DGKA	0.18	3.16E-01	3.74E-01
ZFP41	0.16	3.17E-01	3.75E-01
ZFY	-1.23	3.17E-01	3.75E-01
CSTF2T	0.12	3.17E-01	3.75E-01
GRAP2	-0.35	3.17E-01	3.75E-01
RP11-373D23.3	-0.45	3.17E-01	3.75E-01
RP4-621F18.2	-0.48	3.17E-01	3.75E-01
GUSBP5	0.35	3.18E-01	3.76E-01
TX2P1-UPK3BP1-PMS2P1	-1.00	3.18E-01	3.76E-01
EHF	0.18	3.18E-01	3.76E-01
RP11-345P4.10	1.02	3.18E-01	3.76E-01
KCNMB3	-0.37	3.18E-01	3.76E-01
RP5-851M4.1	-1.28	3.18E-01	3.76E-01
RP11-121E16.1	0.79	3.18E-01	3.76E-01
MPDZ	0.23	3.18E-01	3.76E-01

POLD3	0.10	3.18E-01	3.76E-01
MYBPC1	-0.73	3.18E-01	3.76E-01
CCBL1	0.21	3.18E-01	3.76E-01
AP001625.6	-0.61	3.18E-01	3.76E-01
SIGLEC10	-0.42	3.18E-01	3.76E-01
ZNF57	0.28	3.18E-01	3.76E-01
AC009159.1	-1.65	3.18E-01	3.77E-01
PNISR	0.21	3.18E-01	3.77E-01
RP11-497H16.6	0.87	3.19E-01	3.77E-01
TTC32	-0.23	3.19E-01	3.77E-01
G4026	0.98	3.19E-01	3.77E-01
OSBPL9	0.10	3.19E-01	3.78E-01
C8orf22	-0.87	3.19E-01	3.78E-01
FIRRE	-0.89	3.20E-01	3.78E-01
CTD-3105H18.18	-1.12	3.20E-01	3.78E-01
NPIPP1	-0.32	3.20E-01	3.78E-01
EXOSC7	0.12	3.20E-01	3.79E-01
RP11-1094H24.4	0.38	3.20E-01	3.79E-01
AP001877.1	-0.33	3.21E-01	3.79E-01
CEACAMP5	-1.26	3.21E-01	3.79E-01
SNX21	-0.14	3.21E-01	3.79E-01
ZWINT	0.17	3.21E-01	3.80E-01
RP11-122K13.12	-0.38	3.21E-01	3.80E-01
G25699	-0.30	3.21E-01	3.80E-01
MYO6	-0.16	3.22E-01	3.80E-01
ELF5	0.66	3.22E-01	3.80E-01
DSTN	0.15	3.22E-01	3.80E-01
RAD51	0.17	3.22E-01	3.81E-01
RP4-734C18.1	-0.72	3.22E-01	3.81E-01
XXbac-BPG283O16.9	-0.22	3.22E-01	3.81E-01
LINC00384	-1.26	3.22E-01	3.81E-01
RP11-214N9.1	-0.42	3.23E-01	3.81E-01
GP6	-0.42	3.23E-01	3.81E-01
C14orf180	1.74	3.23E-01	3.81E-01
RP11-258F22.1	-0.51	3.23E-01	3.82E-01
LINC00337	0.87	3.23E-01	3.82E-01
SNORD103A	-1.30	3.23E-01	3.82E-01
RP11-163G10.4	-1.15	3.23E-01	3.82E-01
UTP6	0.11	3.23E-01	3.82E-01
CCNE1	0.24	3.23E-01	3.82E-01
WWC2	-0.13	3.23E-01	3.82E-01
PHF14	0.15	3.24E-01	3.82E-01
RBM6	0.20	3.24E-01	3.82E-01
KLF7-IT1	-0.46	3.24E-01	3.82E-01
RP11-684B2.3	-1.14	3.24E-01	3.83E-01

GPNMB	-0.19	3.24E-01	3.83E-01
LEF1	0.21	3.24E-01	3.83E-01
CTRC	-1.37	3.24E-01	3.83E-01
G20695	0.83	3.24E-01	3.83E-01
SLC39A5	-0.68	3.24E-01	3.83E-01
RP11-284F21.10	0.74	3.24E-01	3.83E-01
CTC-453G23.7	1.06	3.24E-01	3.83E-01
RP11-68I18.10	0.48	3.25E-01	3.83E-01
HPS4	-0.11	3.25E-01	3.84E-01
RP11-54G14.1	-0.75	3.25E-01	3.84E-01
TRAPPC12	-0.11	3.25E-01	3.84E-01
RP3-522P13.2	1.05	3.26E-01	3.84E-01
LA16c-395F10.2	-1.08	3.26E-01	3.84E-01
SLC34A1	0.43	3.26E-01	3.85E-01
ZNF343	-0.11	3.26E-01	3.85E-01
RP11-597D13.9	0.35	3.26E-01	3.85E-01
RP11-90B9.2	-0.54	3.26E-01	3.85E-01
ASB1	0.11	3.26E-01	3.85E-01
RP11-649A18.5	-0.79	3.26E-01	3.85E-01
RP11-89H19.2	-0.37	3.26E-01	3.85E-01
GS1-5L10.1	-1.32	3.26E-01	3.85E-01
UPRT	0.15	3.26E-01	3.85E-01
NOL8P1	-1.07	3.26E-01	3.85E-01
AC011294.3	0.67	3.26E-01	3.85E-01
TDP1	-0.13	3.26E-01	3.85E-01
DEFB1	0.27	3.27E-01	3.85E-01
MMD	-0.16	3.27E-01	3.85E-01
AGAP4	0.50	3.27E-01	3.85E-01
KDELC2	-0.17	3.27E-01	3.85E-01
TPRG1-AS1	0.57	3.27E-01	3.85E-01
UQCR11	-0.15	3.27E-01	3.86E-01
ATOH8	0.37	3.27E-01	3.86E-01
XLOC_014081	-0.60	3.27E-01	3.86E-01
AC092580.4	0.83	3.27E-01	3.86E-01
RP11-350J20.12	0.53	3.27E-01	3.86E-01
G30522	-0.64	3.27E-01	3.86E-01
CHKB	0.50	3.27E-01	3.86E-01
RAD23B	-0.15	3.28E-01	3.86E-01
TIPRL	-0.16	3.28E-01	3.86E-01
SLC15A1	-0.29	3.28E-01	3.87E-01
EPHA7	0.70	3.28E-01	3.87E-01
AGPAT3	-0.29	3.28E-01	3.87E-01
LINC00441	-0.50	3.28E-01	3.87E-01
DOCK2	-0.33	3.28E-01	3.87E-01
AKR7L	-0.48	3.29E-01	3.87E-01

MAPKAPK3	-0.13	3.29E-01	3.87E-01
RP11-152N13.5	-0.34	3.29E-01	3.87E-01
ATP6V0A4	0.66	3.29E-01	3.87E-01
RP11-334J6.6	-1.32	3.29E-01	3.87E-01
RP11-93B14.9	0.30	3.29E-01	3.88E-01
RNF225	0.23	3.29E-01	3.88E-01
CKLF	-0.59	3.29E-01	3.88E-01
XLOC_007767	-1.15	3.29E-01	3.88E-01
TMC2	0.53	3.29E-01	3.88E-01
EPM2A	-0.17	3.30E-01	3.88E-01
AZI2	-0.11	3.30E-01	3.89E-01
CTD-2325M2.1	0.58	3.30E-01	3.89E-01
XLOC_004182	-0.92	3.30E-01	3.89E-01
BCAS4	-0.30	3.30E-01	3.89E-01
RP11-502H18.2	1.22	3.30E-01	3.89E-01
CTD-2298J14.2	-0.62	3.30E-01	3.89E-01
UBE2D3	0.11	3.30E-01	3.89E-01
G31094	1.04	3.30E-01	3.89E-01
GS1-166A23.1	0.68	3.30E-01	3.89E-01
AC010127.3	-0.82	3.30E-01	3.89E-01
MTCH2	0.13	3.31E-01	3.89E-01
RP11-134L10.1	-0.55	3.31E-01	3.90E-01
GRM3	-0.84	3.31E-01	3.90E-01
HHATL	-0.79	3.31E-01	3.90E-01
HSBP1L1	-0.10	3.31E-01	3.90E-01
DENND6A	-0.10	3.31E-01	3.90E-01
NUF2	-0.23	3.31E-01	3.90E-01
RP11-556I14.2	-0.76	3.31E-01	3.90E-01
SLC25A35	0.50	3.31E-01	3.90E-01
RP11-551L14.4	-0.56	3.31E-01	3.90E-01
MTND1P36	-1.12	3.31E-01	3.90E-01
CTD-3220F14.3	0.50	3.31E-01	3.90E-01
RP11-295G24.5	0.55	3.32E-01	3.91E-01
AC009403.2	0.27	3.32E-01	3.91E-01
RP11-360F5.3	0.64	3.32E-01	3.91E-01
COMMD6	0.16	3.32E-01	3.91E-01
RP11-259G18.1	-0.68	3.32E-01	3.91E-01
IGKV1-5	-1.04	3.32E-01	3.91E-01
HSPE1	-0.18	3.32E-01	3.91E-01
NPHP3	0.24	3.32E-01	3.91E-01
PHKA1	0.13	3.32E-01	3.91E-01
PFN3	0.95	3.32E-01	3.91E-01
XLOC_006333	0.78	3.33E-01	3.92E-01
C11orf63	-0.19	3.33E-01	3.92E-01
TNFAIP8	-0.16	3.33E-01	3.92E-01

RP11-500G22.4	-1.04	3.33E-01	3.92E-01
SMARCD2	0.12	3.33E-01	3.92E-01
NDUFB1	0.17	3.33E-01	3.92E-01
RP11-231C14.7	-0.89	3.33E-01	3.92E-01
HYLS1	-0.18	3.33E-01	3.92E-01
XLOC_012338	-0.53	3.33E-01	3.92E-01
BARHL1	-0.98	3.33E-01	3.92E-01
RP11-38L15.8	0.51	3.33E-01	3.92E-01
PCK1	1.15	3.34E-01	3.93E-01
XLOC_001913	-0.91	3.34E-01	3.93E-01
RP11-1H8.5	-0.51	3.34E-01	3.93E-01
RP11-423C15.3	0.99	3.34E-01	3.93E-01
CCL11	4.84	3.34E-01	3.93E-01
PBX1	0.14	3.34E-01	3.93E-01
ANKMY1	0.16	3.34E-01	3.93E-01
CLVS1	-0.33	3.34E-01	3.93E-01
ATRN	-0.09	3.34E-01	3.93E-01
PAQR5	0.18	3.34E-01	3.93E-01
SNRPEP4	0.65	3.34E-01	3.93E-01
CHST5	-1.07	3.34E-01	3.93E-01
FLNC	-0.28	3.34E-01	3.93E-01
DHX32	-0.14	3.34E-01	3.93E-01
CTC-398G3.1	-0.52	3.35E-01	3.94E-01
RP11-111F5.2	0.77	3.35E-01	3.94E-01
RPSAP54	-0.78	3.35E-01	3.94E-01
AC002511.3	-0.71	3.35E-01	3.94E-01
CTD-3126B10.5	0.79	3.35E-01	3.94E-01
RP11-462G2.1	-0.38	3.35E-01	3.94E-01
ZNF215	0.50	3.36E-01	3.95E-01
CTD-2525I3.2	0.92	3.36E-01	3.95E-01
AC004791.2	0.79	3.36E-01	3.95E-01
CTC-510F12.7	0.64	3.37E-01	3.96E-01
NTRK3	0.37	3.37E-01	3.96E-01
FAM26E	-0.59	3.37E-01	3.97E-01
ANKRD37	0.24	3.38E-01	3.97E-01
TEKT1	-0.70	3.38E-01	3.97E-01
AP000476.1	0.80	3.38E-01	3.97E-01
RAP1GAP2	0.15	3.38E-01	3.97E-01
XLOC_013960	-0.45	3.38E-01	3.97E-01
HOXC-AS2	0.45	3.38E-01	3.97E-01
PTMAP5	-0.20	3.38E-01	3.97E-01
RP11-796A5.4	-1.22	3.38E-01	3.98E-01
RP3-413H6.2	-0.79	3.38E-01	3.98E-01
ZNF232	-0.18	3.38E-01	3.98E-01
CTC-575D19.1	-0.29	3.39E-01	3.98E-01

AC018804.7	-0.84	3.39E-01	3.98E-01
C9orf43	-0.34	3.39E-01	3.98E-01
RP11-715J22.3	0.56	3.39E-01	3.98E-01
PLCXD3	0.62	3.39E-01	3.98E-01
RP4-800G7.2	-0.37	3.39E-01	3.98E-01
RP11-59H7.3	-0.76	3.39E-01	3.99E-01
RP11-583F2.6	-1.12	3.39E-01	3.99E-01
G3899	-0.72	3.39E-01	3.99E-01
RBM22P2	0.80	3.39E-01	3.99E-01
AC007773.2	-0.80	3.40E-01	3.99E-01
RPL14P1	0.21	3.40E-01	3.99E-01
FAM65B	0.29	3.40E-01	3.99E-01
CTD-2286N8.2	0.39	3.40E-01	3.99E-01
RP11-74J13.8	-0.35	3.40E-01	3.99E-01
EFNA3	-0.21	3.40E-01	3.99E-01
LL09NC01-139C3.1	-0.73	3.40E-01	4.00E-01
RP11-16E12.2	0.69	3.40E-01	4.00E-01
RP11-651P23.4	-0.31	3.40E-01	4.00E-01
AC125232.1	-0.21	3.40E-01	4.00E-01
CAGE1	-0.82	3.40E-01	4.00E-01
NEMF	0.10	3.41E-01	4.00E-01
C17orf97	0.38	3.41E-01	4.00E-01
NUCKS1	-0.13	3.41E-01	4.00E-01
RNF216P1	0.15	3.41E-01	4.00E-01
HMSD	-0.51	3.41E-01	4.00E-01
LINC00861	-0.71	3.41E-01	4.00E-01
NBPF15	0.14	3.41E-01	4.00E-01
UGT1A7	0.39	3.41E-01	4.00E-01
RP11-414C23.1	-0.72	3.41E-01	4.00E-01
JMJD7-PLA2G4B	-0.42	3.41E-01	4.00E-01
RP11-111M22.4	-0.68	3.41E-01	4.00E-01
DUX4L26	5.00	3.41E-01	4.01E-01
AC046143.3	-0.45	3.42E-01	4.01E-01
G32186	-0.86	3.42E-01	4.01E-01
ZNRF2P2	-0.81	3.42E-01	4.01E-01
AC009501.4	-0.32	3.42E-01	4.01E-01
LINC00601	1.16	3.42E-01	4.02E-01
SNORA2	-0.38	3.42E-01	4.02E-01
RP11-231E6.1	-0.68	3.42E-01	4.02E-01
G33271	0.66	3.42E-01	4.02E-01
LINC01166	-1.13	3.42E-01	4.02E-01
NUDT19	-0.12	3.43E-01	4.02E-01
DCUN1D2	0.13	3.43E-01	4.02E-01
MAML3	-0.12	3.43E-01	4.02E-01
RP11-426A6.5	0.73	3.43E-01	4.02E-01

RP11-299L17.3	1.37	3.43E-01	4.02E-01
C2orf42	-0.14	3.43E-01	4.02E-01
NCF2	-0.25	3.43E-01	4.02E-01
RP11-524D16__A.3	0.54	3.43E-01	4.02E-01
RP11-478C1.8	-0.93	3.43E-01	4.02E-01
CTD-2287O16.1	-0.30	3.43E-01	4.02E-01
SLC24A4	-0.53	3.43E-01	4.02E-01
UFC1	0.16	3.43E-01	4.03E-01
RP11-488C13.5	-0.54	3.43E-01	4.03E-01
CFAP99	-1.02	3.43E-01	4.03E-01
ELMO2	-0.11	3.44E-01	4.03E-01
DLK1	-1.25	3.44E-01	4.03E-01
QRICH2	-0.28	3.44E-01	4.03E-01
POM121B	0.54	3.44E-01	4.03E-01
G34667	-0.62	3.44E-01	4.03E-01
PCTP	0.39	3.44E-01	4.03E-01
CTC-471J1.10	-0.83	3.44E-01	4.03E-01
RP11-351I21.11	1.07	3.44E-01	4.04E-01
G16199	-0.78	3.44E-01	4.04E-01
RPL13AP5	0.18	3.44E-01	4.04E-01
GSN	-0.21	3.45E-01	4.04E-01
ANAPC5	-0.09	3.45E-01	4.04E-01
RP11-315I20.1	0.48	3.45E-01	4.04E-01
RP11-182J1.14	0.49	3.45E-01	4.04E-01
RP11-123B3.2	-0.81	3.45E-01	4.04E-01
LINC01215	0.83	3.45E-01	4.04E-01
SYT17	-0.28	3.45E-01	4.04E-01
NSMCE4A	-0.14	3.45E-01	4.05E-01
G32329	-0.95	3.45E-01	4.05E-01
RP11-82O19.1	0.48	3.45E-01	4.05E-01
AC005822.1	-0.69	3.45E-01	4.05E-01
THA1P	0.88	3.45E-01	4.05E-01
SYTL2	0.20	3.46E-01	4.05E-01
RP11-204M4.2	0.37	3.46E-01	4.05E-01
EEPD1	0.17	3.46E-01	4.05E-01
NR1D2	-0.37	3.46E-01	4.05E-01
HNRNPA3P6	0.42	3.46E-01	4.05E-01
RP11-85G18.6	-1.08	3.46E-01	4.05E-01
AC100830.3	-0.51	3.46E-01	4.05E-01
RP11-436M15.3	-0.81	3.46E-01	4.06E-01
WI2-87327B8.2	-0.47	3.46E-01	4.06E-01
DDX18	-0.13	3.46E-01	4.06E-01
G41882	-0.85	3.46E-01	4.06E-01
RP11-93O14.2	-0.62	3.46E-01	4.06E-01
RP11-4B16.3	-0.64	3.47E-01	4.06E-01

LINC00950	-0.38	3.47E-01	4.06E-01
REM2	0.33	3.47E-01	4.06E-01
MTHFS	-0.42	3.47E-01	4.06E-01
CYB5R1	0.16	3.47E-01	4.06E-01
G2580	-0.96	3.47E-01	4.06E-01
G16821	0.55	3.47E-01	4.06E-01
CTD-2008P7.9	0.29	3.47E-01	4.06E-01
STARD7-AS1	0.17	3.48E-01	4.07E-01
CLCN4	-0.34	3.48E-01	4.07E-01
XLOC_005289	-0.65	3.48E-01	4.07E-01
SLC35G1	-0.24	3.48E-01	4.07E-01
TLK2P1	-0.50	3.48E-01	4.07E-01
YWHAZ	0.15	3.48E-01	4.07E-01
TMEM130	0.77	3.48E-01	4.07E-01
CTB-178M22.2	-0.48	3.48E-01	4.07E-01
GPR19	-0.42	3.48E-01	4.08E-01
RP11-72M17.1	-0.41	3.48E-01	4.08E-01
CCT6P3	-0.23	3.48E-01	4.08E-01
TCP1	0.12	3.49E-01	4.08E-01
RP11-269F19.2	-1.18	3.49E-01	4.08E-01
RASSF8	-0.27	3.49E-01	4.08E-01
EEF1DP1	-0.41	3.49E-01	4.08E-01
BICD2	-0.15	3.49E-01	4.08E-01
G36323	0.82	3.49E-01	4.08E-01
CHRDL1	-0.49	3.49E-01	4.08E-01
CCNL2	0.29	3.49E-01	4.08E-01
RNU6-96P	-1.28	3.49E-01	4.08E-01
RP11-463I20.2	-0.98	3.49E-01	4.08E-01
RNU2-5P	-0.86	3.49E-01	4.09E-01
RP11-335L23.5	0.73	3.49E-01	4.09E-01
GBP7	-0.93	3.49E-01	4.09E-01
XLOC_005332	-0.89	3.50E-01	4.09E-01
ZBTB8OS	0.12	3.50E-01	4.09E-01
ATP8B5P	-0.60	3.50E-01	4.09E-01
RP11-206L10.2	0.24	3.50E-01	4.09E-01
CH507-9B2.8	0.82	3.50E-01	4.09E-01
WDR44	-0.12	3.50E-01	4.09E-01
AC096669.3	0.71	3.50E-01	4.10E-01
HTT-AS	-1.07	3.50E-01	4.10E-01
IPPK	-0.13	3.51E-01	4.10E-01
RN7SL262P	-0.72	3.51E-01	4.10E-01
DUT	0.14	3.51E-01	4.10E-01
SACS-AS1	-0.81	3.51E-01	4.11E-01
CEP290	-0.17	3.51E-01	4.11E-01
RP11-20G13.2	-1.14	3.51E-01	4.11E-01

C6orf62	0.10	3.51E-01	4.11E-01
EIF4BP3	-0.22	3.51E-01	4.11E-01
TTC34	0.41	3.51E-01	4.11E-01
RP11-249C24.10	-1.16	3.51E-01	4.11E-01
CTD-2124B8.2	-0.22	3.51E-01	4.11E-01
FAM13C	0.17	3.52E-01	4.11E-01
RBM4B	0.14	3.52E-01	4.11E-01
RP11-17M16.2	0.28	3.52E-01	4.11E-01
IGHD	-1.43	3.52E-01	4.11E-01
ADORA2A	-0.63	3.52E-01	4.11E-01
XLOC_014378	0.74	3.52E-01	4.11E-01
RP11-522I20.3	0.28	3.52E-01	4.12E-01
HSPH1	-0.19	3.52E-01	4.12E-01
G10551	-0.91	3.52E-01	4.12E-01
USP46-AS1	-0.21	3.52E-01	4.12E-01
COL24A1	-0.34	3.52E-01	4.12E-01
ELP3	0.08	3.52E-01	4.12E-01
IMP3	-0.13	3.52E-01	4.12E-01
RP11-449D8.1	0.69	3.52E-01	4.12E-01
CENPQ	-0.21	3.53E-01	4.12E-01
MT1P1	-0.93	3.53E-01	4.12E-01
RP11-70D24.4	-0.93	3.53E-01	4.12E-01
NAF1	-0.15	3.53E-01	4.12E-01
HLA-V	0.60	3.53E-01	4.12E-01
AP001065.15	1.04	3.53E-01	4.12E-01
HMGA1P4	0.59	3.53E-01	4.12E-01
RP11-187C18.2	0.67	3.53E-01	4.12E-01
CTD-3105H18.14	-0.79	3.53E-01	4.12E-01
TMEM108	-0.29	3.53E-01	4.12E-01
LINC00222	-0.70	3.53E-01	4.12E-01
OR56B4	-1.43	3.53E-01	4.12E-01
ATG7	-0.08	3.53E-01	4.12E-01
MT-TF	0.62	3.53E-01	4.13E-01
SPHKAP	1.01	3.53E-01	4.13E-01
B4GALNT3	0.18	3.53E-01	4.13E-01
RP11-1391J7.1	-0.49	3.54E-01	4.13E-01
RP4-597N16.4	0.53	3.54E-01	4.13E-01
RP11-351J23.2	0.99	3.54E-01	4.13E-01
ENPP7P2	-1.04	3.54E-01	4.13E-01
FAM118A	0.32	3.54E-01	4.13E-01
RP11-312B8.1	0.40	3.54E-01	4.13E-01
IL21R-AS1	-1.09	3.54E-01	4.13E-01
CTD-2528A14.5	1.16	3.54E-01	4.13E-01
POLB	-0.17	3.54E-01	4.13E-01
MROH8	-0.22	3.54E-01	4.13E-01

AC018755.1	-0.67	3.54E-01	4.13E-01
NPPA-AS1	-0.80	3.54E-01	4.13E-01
RP11-339B21.13	-0.42	3.54E-01	4.14E-01
TRIM50	0.89	3.54E-01	4.14E-01
LINC00862	-1.17	3.55E-01	4.14E-01
IDSP1	-0.78	3.55E-01	4.14E-01
ARHGEF4	0.21	3.55E-01	4.14E-01
AC107079.1	-0.75	3.55E-01	4.14E-01
RP3-418A9.3	-0.88	3.55E-01	4.14E-01
UNGP3	-0.41	3.55E-01	4.14E-01
RP11-706O15.1	-0.16	3.55E-01	4.14E-01
DUSP5	-0.15	3.55E-01	4.14E-01
SCTR	-0.42	3.55E-01	4.14E-01
CTD-3065J16.6	0.43	3.55E-01	4.14E-01
AMT	-0.35	3.55E-01	4.15E-01
RP11-31F15.2	-0.41	3.55E-01	4.15E-01
ORC6	-0.27	3.56E-01	4.15E-01
RP11-446H18.1	-1.04	3.56E-01	4.15E-01
G3928	-1.10	3.56E-01	4.16E-01
RP11-544M22.13	0.68	3.56E-01	4.16E-01
ESRRAP2	-0.76	3.56E-01	4.16E-01
PCNA	0.18	3.57E-01	4.16E-01
CHST6	-0.34	3.57E-01	4.16E-01
OLIG1	1.37	3.57E-01	4.16E-01
GINS2	-0.20	3.57E-01	4.16E-01
RP11-529G21.2	0.76	3.57E-01	4.16E-01
WDR4	0.20	3.57E-01	4.16E-01
RP3-467N11.1	-0.28	3.57E-01	4.16E-01
BTBD1	-0.13	3.57E-01	4.16E-01
ZSCAN29	-0.08	3.57E-01	4.16E-01
ACTR6	-0.15	3.57E-01	4.16E-01
RP11-69E11.4	0.41	3.57E-01	4.17E-01
CLNS1A	-0.11	3.57E-01	4.17E-01
RP11-264B17.4	0.70	3.58E-01	4.17E-01
SLC41A1	0.25	3.58E-01	4.17E-01
FPR3	0.41	3.58E-01	4.17E-01
RP11-187C18.4	0.81	3.58E-01	4.17E-01
CNTFR	-0.36	3.58E-01	4.17E-01
PDPK1	0.08	3.58E-01	4.17E-01
LINC00239	-0.43	3.58E-01	4.17E-01
RP11-425A6.5	1.08	3.58E-01	4.17E-01
KCNE2	1.09	3.58E-01	4.17E-01
RP11-697K23.3	-1.26	3.58E-01	4.18E-01
SEMA3C	-0.26	3.59E-01	4.18E-01
TINCR	-0.16	3.59E-01	4.18E-01

XLOC_006303	0.85	3.59E-01	4.18E-01
RP11-413B19.2	-1.05	3.59E-01	4.18E-01
RDH14	0.12	3.59E-01	4.18E-01
CTD-2013N17.7	-1.07	3.59E-01	4.18E-01
RP11-115L11.1	-0.94	3.59E-01	4.19E-01
RP11-982M15.6	-0.79	3.59E-01	4.19E-01
RN7SL499P	1.07	3.59E-01	4.19E-01
CTA-126B4.7	-1.00	3.59E-01	4.19E-01
FKBP1B	0.23	3.60E-01	4.19E-01
AP3M2	-0.15	3.60E-01	4.19E-01
SYBU	-0.16	3.60E-01	4.20E-01
LIPT1	-0.19	3.60E-01	4.20E-01
CCDC77	0.14	3.60E-01	4.20E-01
RP11-284N8.3	-0.42	3.60E-01	4.20E-01
TSNAX	0.18	3.61E-01	4.20E-01
DAPK1-IT1	-0.83	3.61E-01	4.20E-01
CCDC50	-0.16	3.61E-01	4.20E-01
RP11-656D10.6	0.60	3.61E-01	4.20E-01
BEX1	0.57	3.61E-01	4.20E-01
G43235	-0.43	3.61E-01	4.20E-01
RP11-91J19.3	-0.58	3.61E-01	4.20E-01
PYY	0.95	3.61E-01	4.21E-01
RPL12P10	0.99	3.61E-01	4.21E-01
SULT1B1	-0.50	3.61E-01	4.21E-01
RP11-76E17.3	0.97	3.61E-01	4.21E-01
LA16c-380A1.2	-0.46	3.62E-01	4.21E-01
AC003956.1	-0.70	3.62E-01	4.21E-01
AC105049.1	-0.98	3.62E-01	4.21E-01
RB1	0.12	3.62E-01	4.21E-01
G14029	0.80	3.62E-01	4.21E-01
FBF1	-0.21	3.62E-01	4.21E-01
RNF103-CHMP3	-0.56	3.62E-01	4.21E-01
PLEKHA7	0.18	3.62E-01	4.22E-01
RP11-506M12.1	-0.67	3.62E-01	4.22E-01
ERI1	-0.12	3.62E-01	4.22E-01
SYS1	0.10	3.62E-01	4.22E-01
RP11-511B23.3	1.28	3.62E-01	4.22E-01
CACNB1	0.25	3.62E-01	4.22E-01
RP1-47M23.3	-0.72	3.62E-01	4.22E-01
PROX1	-0.36	3.62E-01	4.22E-01
ST6GALNAC4P1	-0.56	3.62E-01	4.22E-01
AC005785.5	-0.40	3.63E-01	4.22E-01
UBE2K	-0.14	3.63E-01	4.22E-01
ATXN2	0.15	3.63E-01	4.22E-01
MTRF1	-0.14	3.63E-01	4.22E-01

SPTLC1	-0.12	3.63E-01	4.23E-01
SLC25A34	-0.50	3.63E-01	4.23E-01
RNU7-12P	-1.42	3.63E-01	4.23E-01
STAM	-0.12	3.63E-01	4.23E-01
CTC-297N7.9	0.57	3.64E-01	4.23E-01
RP11-169F17.1	4.78	3.64E-01	4.23E-01
RP11-178L8.7	-0.64	3.64E-01	4.23E-01
RP3-337H4.10	-0.66	3.64E-01	4.23E-01
RP5-1142A6.9	-0.40	3.64E-01	4.23E-01
RP11-621L6.2	-0.82	3.64E-01	4.23E-01
UBE2CP2	-0.82	3.64E-01	4.23E-01
IL12A	0.96	3.64E-01	4.23E-01
ANKRD26	0.16	3.64E-01	4.23E-01
RP11-511B23.2	1.02	3.64E-01	4.23E-01
RP11-613D13.4	-0.43	3.64E-01	4.23E-01
HPSE2	0.52	3.64E-01	4.23E-01
HSPA1L	0.18	3.64E-01	4.23E-01
CHL1-AS2	-1.04	3.64E-01	4.23E-01
ZFP69B	0.20	3.64E-01	4.23E-01
STK38L	-0.10	3.64E-01	4.23E-01
RP11-80H5.2	-1.20	3.64E-01	4.24E-01
BAIAP2L1	-0.15	3.64E-01	4.24E-01
3-Sep	-0.23	3.65E-01	4.24E-01
ERLEC1	0.13	3.65E-01	4.24E-01
RP5-973N23.4	-0.89	3.65E-01	4.24E-01
RP11-248J23.5	1.26	3.65E-01	4.24E-01
ATP5F1	0.14	3.65E-01	4.24E-01
CTC-558O2.1	-0.58	3.65E-01	4.24E-01
CTD-2282P23.2	-0.62	3.65E-01	4.24E-01
KIAA1324L	-0.24	3.65E-01	4.24E-01
NRDE2	0.10	3.65E-01	4.25E-01
ALDH1L1	0.57	3.65E-01	4.25E-01
C17orf49	0.52	3.65E-01	4.25E-01
NPR2	-0.21	3.65E-01	4.25E-01
IGLV1-50	-1.29	3.66E-01	4.25E-01
RP11-554D14.8	-0.81	3.66E-01	4.25E-01
IL17REL	-0.79	3.66E-01	4.25E-01
RPSAP15	-0.28	3.66E-01	4.25E-01
LAMTOR4	-0.14	3.66E-01	4.25E-01
MICU3	-0.31	3.66E-01	4.26E-01
RP3-406P24.3	-0.92	3.66E-01	4.26E-01
CTC-338M12.1	0.64	3.66E-01	4.26E-01
RP11-61K12.2	-1.02	3.66E-01	4.26E-01
MELK	-0.20	3.66E-01	4.26E-01
EPHA5-AS1	-1.06	3.67E-01	4.26E-01

CTD-2008E3.1	-0.35	3.67E-01	4.26E-01
PRELID1P4	0.54	3.67E-01	4.27E-01
SNX4	0.14	3.67E-01	4.27E-01
CHRNE	-0.34	3.67E-01	4.27E-01
ACADM	-0.35	3.68E-01	4.27E-01
G27544	-0.65	3.68E-01	4.27E-01
NFYA	0.16	3.68E-01	4.27E-01
KB-1836B5.4	-0.86	3.68E-01	4.27E-01
RP11-21L23.3	0.36	3.68E-01	4.27E-01
PENK	0.84	3.68E-01	4.28E-01
XGY1	-0.58	3.68E-01	4.28E-01
RP5-991G20.1	0.24	3.69E-01	4.28E-01
RP13-131K19.6	0.81	3.69E-01	4.28E-01
TXLNB	-0.32	3.69E-01	4.28E-01
RNU6-834P	-0.77	3.69E-01	4.28E-01
NAT8L	0.28	3.69E-01	4.28E-01
SRY	-0.34	3.69E-01	4.28E-01
SOSTDC1	0.37	3.69E-01	4.29E-01
PKD1L1	-0.30	3.69E-01	4.29E-01
HFM1	-0.47	3.69E-01	4.29E-01
CTC-487M23.5	-0.30	3.70E-01	4.29E-01
CDO1	-0.49	3.70E-01	4.29E-01
RP11-532F6.4	-0.67	3.70E-01	4.29E-01
CTC-479C5.10	0.65	3.70E-01	4.30E-01
RNU6-945P	-0.92	3.70E-01	4.30E-01
RP11-26L20.4	-0.73	3.70E-01	4.30E-01
CTD-2062F14.2	1.05	3.70E-01	4.30E-01
CTC-537E7.2	1.02	3.70E-01	4.30E-01
RP1-102D24.5	-0.81	3.71E-01	4.30E-01
SCRN3	-0.15	3.71E-01	4.30E-01
NFYB	-0.14	3.71E-01	4.31E-01
TRIM31	0.33	3.71E-01	4.31E-01
LA16c-306A4.2	-0.64	3.71E-01	4.31E-01
PGBD3	-0.68	3.71E-01	4.31E-01
RBFOX2	0.09	3.72E-01	4.31E-01
AC138783.12	0.64	3.72E-01	4.31E-01
RP11-667F14.1	-0.37	3.72E-01	4.31E-01
RP11-285E9.6	-0.46	3.72E-01	4.31E-01
AC006129.1	0.75	3.72E-01	4.32E-01
AC007792.1	-1.06	3.72E-01	4.32E-01
CTD-2036P10.6	-0.49	3.73E-01	4.32E-01
RNU6-59P	-1.23	3.73E-01	4.32E-01
FITM1	-0.47	3.73E-01	4.32E-01
RPRD2	-0.10	3.73E-01	4.32E-01
AC098828.2	-0.84	3.73E-01	4.32E-01

CAPS	-0.28	3.73E-01	4.32E-01
ADD3-AS1	-0.33	3.73E-01	4.33E-01
PAQR7	0.18	3.73E-01	4.33E-01
TMEM30B	0.10	3.73E-01	4.33E-01
SLC7A2	0.24	3.73E-01	4.33E-01
RP5-1047A19.4	-1.25	3.73E-01	4.33E-01
AC009120.3	0.36	3.73E-01	4.33E-01
TMEM243	-0.12	3.73E-01	4.33E-01
RP11-727F15.13	-0.70	3.74E-01	4.33E-01
RP11-572O6.1	-0.70	3.74E-01	4.33E-01
RP11-9L18.2	-0.69	3.74E-01	4.33E-01
SRPK1	-0.21	3.74E-01	4.33E-01
CUX2	-0.79	3.74E-01	4.33E-01
RP11-121A14.2	-0.65	3.74E-01	4.33E-01
TMEM125	0.24	3.74E-01	4.33E-01
XLOC_012740	0.34	3.74E-01	4.33E-01
RP11-532F6.3	0.49	3.74E-01	4.33E-01
G31873	0.52	3.74E-01	4.33E-01
AC005546.2	-0.65	3.74E-01	4.34E-01
POLR2J3	0.34	3.74E-01	4.34E-01
PTGER2	0.43	3.74E-01	4.34E-01
LINC01431	0.35	3.75E-01	4.35E-01
TRIM5	0.16	3.75E-01	4.35E-01
XLOC_001477	0.68	3.75E-01	4.35E-01
HOMER1	0.16	3.75E-01	4.35E-01
OXGR1	0.81	3.75E-01	4.35E-01
TEX15	1.08	3.76E-01	4.35E-01
DRD4	0.46	3.76E-01	4.35E-01
XLOC_009765	-0.51	3.76E-01	4.35E-01
FAM161A	0.19	3.76E-01	4.35E-01
PELI3	0.16	3.76E-01	4.36E-01
FAM200A	-0.12	3.76E-01	4.36E-01
G26553	0.79	3.76E-01	4.36E-01
RP11-21K12.3	-0.73	3.76E-01	4.36E-01
MIR659	-1.01	3.76E-01	4.36E-01
FAM205BP	-1.04	3.76E-01	4.36E-01
RP11-472F14.4	-1.37	3.77E-01	4.36E-01
C9orf85	0.11	3.77E-01	4.36E-01
RP11-561I11.3	-1.20	3.77E-01	4.36E-01
RP5-965G21.3	-0.55	3.77E-01	4.36E-01
BAIAP2	0.13	3.77E-01	4.36E-01
MRPL57P3	-0.93	3.77E-01	4.37E-01
CD81-AS1	-0.52	3.77E-01	4.37E-01
CAPN12	0.37	3.77E-01	4.37E-01
RP4-781K5.5	-0.80	3.78E-01	4.37E-01

PCDHA8	-1.08	3.78E-01	4.37E-01
TRPV3	-0.17	3.78E-01	4.37E-01
BANK1	0.24	3.78E-01	4.37E-01
LINC01485	-0.90	3.78E-01	4.38E-01
ACSF2	-0.15	3.78E-01	4.38E-01
CRTAM	0.58	3.78E-01	4.38E-01
RP11-26P13.2	-0.97	3.78E-01	4.38E-01
CGB7	0.50	3.78E-01	4.38E-01
RP11-333E13.4	-1.09	3.79E-01	4.38E-01
RP11-490K7.4	-0.56	3.79E-01	4.38E-01
KDM1A	0.07	3.79E-01	4.38E-01
AC002550.5	0.98	3.79E-01	4.38E-01
ARHGAP5-AS1	0.23	3.79E-01	4.38E-01
RP11-174O3.6	-4.22	3.79E-01	4.38E-01
RP11-17M24.1	-0.89	3.79E-01	4.39E-01
FA2H	0.59	3.79E-01	4.39E-01
CXorf58	-0.72	3.79E-01	4.39E-01
FAM57B	0.76	3.79E-01	4.39E-01
HECW2	0.20	3.80E-01	4.39E-01
NDUFB2	-0.12	3.80E-01	4.39E-01
JAKMIP3	0.35	3.80E-01	4.39E-01
LINC01011	-0.32	3.80E-01	4.39E-01
RP11-378J18.9	-0.64	3.80E-01	4.40E-01
RP11-847H18.3	-0.58	3.80E-01	4.40E-01
MND1	-0.23	3.81E-01	4.41E-01
NDUFAF7	-0.12	3.81E-01	4.41E-01
RP11-747H12.3	-0.96	3.81E-01	4.41E-01
AC067945.3	-0.61	3.81E-01	4.41E-01
FAR2P2	0.63	3.81E-01	4.41E-01
STK33	-0.57	3.82E-01	4.41E-01
IGHV3-30	1.69	3.82E-01	4.42E-01
RP11-661C3.2	0.72	3.82E-01	4.42E-01
GPAT4	0.10	3.82E-01	4.42E-01
HIP1	0.17	3.82E-01	4.42E-01
COPB1	-0.12	3.82E-01	4.42E-01
CYP3A7	-0.72	3.82E-01	4.42E-01
TRIM66	-0.24	3.83E-01	4.43E-01
OAT	-0.17	3.83E-01	4.43E-01
SOWAHA	0.41	3.84E-01	4.44E-01
CDC25C	0.26	3.84E-01	4.44E-01
CTA-246H3.8	-0.73	3.84E-01	4.44E-01
CTD-2576N18.1	-0.89	3.84E-01	4.44E-01
CLUL1	-0.48	3.84E-01	4.44E-01
XLOC_008522	0.45	3.84E-01	4.44E-01
UGT2B11	1.64	3.84E-01	4.44E-01

CTD-2303H24.2	-0.91	3.85E-01	4.44E-01
RNU6-418P	-0.94	3.85E-01	4.45E-01
CTD-3099C6.5	-0.77	3.85E-01	4.45E-01
TBCEL	-0.10	3.85E-01	4.45E-01
SLC5A8	1.07	3.85E-01	4.45E-01
RP11-640N20.4	0.45	3.85E-01	4.45E-01
COX7B	-0.16	3.85E-01	4.45E-01
RP4-563E14.1	-0.28	3.85E-01	4.45E-01
RP11-2C24.3	0.44	3.85E-01	4.45E-01
GNRH2	-0.57	3.85E-01	4.45E-01
RP11-181C3.1	-0.47	3.85E-01	4.45E-01
BEST4	-0.46	3.86E-01	4.45E-01
L1CAM	-0.23	3.86E-01	4.45E-01
PSPN	-0.21	3.86E-01	4.45E-01
RP11-499P20.2	-0.28	3.86E-01	4.46E-01
CTD-2531D15.4	-1.23	3.86E-01	4.46E-01
RP11-307C12.13	-0.55	3.86E-01	4.46E-01
AC008592.4	0.83	3.86E-01	4.46E-01
CTC1	-0.16	3.86E-01	4.46E-01
LINC00184	0.69	3.86E-01	4.46E-01
RP11-96K19.2	-0.26	3.86E-01	4.46E-01
AC006273.4	0.75	3.87E-01	4.46E-01
LYPLAL1-AS1	-0.72	3.87E-01	4.47E-01
RP11-496H1.1	-0.40	3.87E-01	4.47E-01
C9orf24	0.47	3.87E-01	4.47E-01
XLOC_007806	-0.79	3.87E-01	4.47E-01
DAP3P2	0.59	3.87E-01	4.47E-01
PCDHB17P	0.88	3.87E-01	4.47E-01
G27940	-0.86	3.87E-01	4.47E-01
XLOC_003985	-0.87	3.87E-01	4.47E-01
RP11-474P2.5	-0.58	3.87E-01	4.47E-01
DIP2A	0.11	3.87E-01	4.47E-01
LINC01554	0.39	3.87E-01	4.47E-01
C1QTNF9	0.92	3.88E-01	4.48E-01
IGLV1-47	1.53	3.88E-01	4.48E-01
RNU6-430P	-0.98	3.88E-01	4.48E-01
RPS23	-0.21	3.88E-01	4.48E-01
GRPR	0.65	3.88E-01	4.48E-01
IGLC2	1.14	3.88E-01	4.48E-01
NIPA2	-0.11	3.88E-01	4.48E-01
HNRNPA1P3	-1.22	3.88E-01	4.48E-01
LA16c-358B7.3	0.31	3.88E-01	4.48E-01
BCL2L10	0.24	3.88E-01	4.48E-01
RPGR	-0.14	3.88E-01	4.48E-01
KIAA0101	-0.24	3.88E-01	4.48E-01

LRRC16B	-0.30	3.89E-01	4.49E-01
AC007743.1	0.43	3.89E-01	4.49E-01
LINC01564	0.77	3.89E-01	4.49E-01
AKAP12	-0.28	3.89E-01	4.49E-01
RP5-864K19.4	0.33	3.90E-01	4.49E-01
PLRG1	0.10	3.90E-01	4.50E-01
OLFM4	0.85	3.90E-01	4.50E-01
RND2	-0.25	3.90E-01	4.50E-01
DIXDC1	-0.16	3.90E-01	4.50E-01
LINC01301	0.39	3.91E-01	4.51E-01
G5796	0.54	3.91E-01	4.51E-01
RP11-325N19.3	0.93	3.91E-01	4.51E-01
MOV10L1	0.55	3.91E-01	4.51E-01
TAF8	-0.07	3.91E-01	4.51E-01
NIFK	-0.13	3.91E-01	4.51E-01
TBC1D15	-0.12	3.91E-01	4.51E-01
DRD2	0.62	3.91E-01	4.51E-01
FTLP14	-0.33	3.91E-01	4.51E-01
GPR27	0.26	3.91E-01	4.51E-01
DGCR5	0.27	3.91E-01	4.51E-01
AC002553.4	-0.94	3.91E-01	4.51E-01
RPL22L1	0.20	3.92E-01	4.52E-01
GPC1	0.14	3.92E-01	4.52E-01
PYY2	-0.84	3.92E-01	4.52E-01
DSG2	0.24	3.92E-01	4.52E-01
SDHB	-0.12	3.92E-01	4.52E-01
PQLC3	-0.16	3.92E-01	4.52E-01
RP11-454H19.2	0.85	3.93E-01	4.53E-01
STRADB	-0.15	3.93E-01	4.53E-01
CLN5	-0.13	3.93E-01	4.53E-01
CMA1	-0.46	3.94E-01	4.54E-01
RP11-422N16.3	-0.67	3.94E-01	4.54E-01
HOXC13-AS	-0.23	3.94E-01	4.54E-01
RP13-977J11.2	0.37	3.94E-01	4.54E-01
RNU6-123P	-0.66	3.94E-01	4.54E-01
RP11-353N14.5	-0.94	3.94E-01	4.54E-01
HIATL2	-0.14	3.94E-01	4.54E-01
RP11-45A16.4	-0.95	3.94E-01	4.54E-01
ANKRD20A11P	0.79	3.94E-01	4.54E-01
CACNA2D3	0.38	3.94E-01	4.54E-01
SP5	0.32	3.94E-01	4.54E-01
ATG5	0.10	3.94E-01	4.54E-01
HNRNPDL	-0.15	3.94E-01	4.54E-01
DROSHA	0.10	3.94E-01	4.54E-01
CCT6B	0.20	3.94E-01	4.54E-01

AC138969.4	-0.59	3.95E-01	4.55E-01
LINC00643	-1.47	3.95E-01	4.55E-01
DNAH8	-0.43	3.95E-01	4.55E-01
RP11-347C12.12	-0.60	3.95E-01	4.55E-01
TRAM1L1	-0.23	3.95E-01	4.55E-01
CTD-2201E18.5	0.93	3.95E-01	4.55E-01
TTC41P	-0.39	3.95E-01	4.55E-01
IGBP1-AS1	-0.62	3.95E-01	4.55E-01
RP11-266L9.4	0.24	3.96E-01	4.56E-01
TMBIM4	-0.19	3.96E-01	4.56E-01
ADGRB1	-0.39	3.96E-01	4.56E-01
RGS7	0.78	3.96E-01	4.56E-01
CORT	0.52	3.96E-01	4.56E-01
RP11-1060J15.9	0.47	3.96E-01	4.56E-01
ZFP69	0.11	3.96E-01	4.56E-01
TMCC1	-0.07	3.97E-01	4.57E-01
CTC-523E23.4	-0.33	3.97E-01	4.57E-01
DAZAP2P1	-0.50	3.97E-01	4.57E-01
LLNLR-268E12.1	-0.81	3.97E-01	4.57E-01
CASP2	0.11	3.97E-01	4.57E-01
LINC00165	0.80	3.97E-01	4.57E-01
G4440	-0.39	3.97E-01	4.57E-01
PPAN	-0.21	3.97E-01	4.57E-01
RP1-92O14.6	-0.27	3.97E-01	4.57E-01
RP11-254F19.2	0.75	3.98E-01	4.58E-01
LTK	-0.31	3.98E-01	4.58E-01
SAMD15	-0.26	3.98E-01	4.58E-01
C20orf197	-0.42	3.98E-01	4.58E-01
AC019048.1	0.52	3.98E-01	4.58E-01
RP11-879F14.3	-0.98	3.98E-01	4.58E-01
LGALS4	-0.44	3.98E-01	4.58E-01
LINC00638	0.43	3.99E-01	4.59E-01
KRT33B	1.84	3.99E-01	4.59E-01
RP11-432I13.5	0.96	3.99E-01	4.59E-01
HPCAL4	-0.89	3.99E-01	4.59E-01
RP11-71L14.4	-0.98	3.99E-01	4.59E-01
RP11-191G24.1	-0.38	3.99E-01	4.59E-01
AC018766.4	-0.67	3.99E-01	4.59E-01
TMEM132C	-0.44	3.99E-01	4.59E-01
CLEC9A	0.52	3.99E-01	4.59E-01
HSPB2	0.80	3.99E-01	4.59E-01
SIGLEC14	0.82	3.99E-01	4.59E-01
BEST3	-0.48	3.99E-01	4.60E-01
RP3-523C21.2	0.65	3.99E-01	4.60E-01
UPP2	0.65	4.00E-01	4.60E-01

MBOAT4	0.72	4.00E-01	4.60E-01
MAN1A1	0.26	4.00E-01	4.60E-01
CCDC53	-0.10	4.00E-01	4.60E-01
BBOF1	0.17	4.00E-01	4.60E-01
AP001059.6	-0.77	4.00E-01	4.60E-01
SLC46A3	-0.33	4.00E-01	4.60E-01
RNU6-484P	-0.99	4.00E-01	4.60E-01
G12463	-0.92	4.01E-01	4.61E-01
NEURL1	0.31	4.01E-01	4.61E-01
RP11-278J6.4	-0.89	4.01E-01	4.61E-01
SLIT3	-0.30	4.01E-01	4.61E-01
GATA5	1.09	4.01E-01	4.61E-01
MAGEE2	0.49	4.01E-01	4.62E-01
RP3-523E19.2	-0.53	4.02E-01	4.62E-01
RP5-884M6.1	3.58	4.02E-01	4.62E-01
RNU6-415P	-0.33	4.02E-01	4.62E-01
AC000095.11	-0.92	4.02E-01	4.62E-01
U47924.6	-0.33	4.02E-01	4.62E-01
LHFPL1	0.59	4.02E-01	4.62E-01
RP11-55L3.1	0.77	4.03E-01	4.63E-01
MRPS10	0.12	4.03E-01	4.63E-01
MXI1	-0.12	4.03E-01	4.63E-01
TRMT12	0.12	4.03E-01	4.63E-01
GAB3	-0.25	4.03E-01	4.63E-01
RP3-323P24.3	-0.46	4.03E-01	4.63E-01
LSM12P1	-0.51	4.03E-01	4.64E-01
RP11-452L6.7	-0.42	4.03E-01	4.64E-01
OSCP1	0.12	4.04E-01	4.64E-01
GOLGA8A	-0.39	4.04E-01	4.64E-01
RP11-261P9.4	-0.53	4.04E-01	4.64E-01
RP11-571M6.17	-0.25	4.04E-01	4.64E-01
RN7SL349P	-0.82	4.04E-01	4.64E-01
RPL24P4	-0.37	4.04E-01	4.64E-01
ZNF79	-0.10	4.04E-01	4.64E-01
RSPH9	-0.21	4.04E-01	4.64E-01
G42509	0.81	4.05E-01	4.65E-01
CCL20	0.77	4.05E-01	4.65E-01
PPP2CA	-0.12	4.05E-01	4.65E-01
RPA4	-0.50	4.05E-01	4.65E-01
FSCN2	0.35	4.05E-01	4.65E-01
ZNF311	0.25	4.06E-01	4.66E-01
RP11-131L23.2	0.85	4.06E-01	4.66E-01
CTD-3051D23.4	-0.69	4.06E-01	4.66E-01
RP11-8L2.1	-1.56	4.06E-01	4.66E-01
AC008592.8	0.50	4.06E-01	4.66E-01

LEF1-AS1	-0.40	4.06E-01	4.66E-01
CD3G	0.43	4.06E-01	4.66E-01
HLA-U	-1.00	4.06E-01	4.66E-01
HMGN1P24	-0.83	4.06E-01	4.67E-01
RP11-78O7.2	0.31	4.06E-01	4.67E-01
ACVR1B	0.11	4.07E-01	4.67E-01
RP5-1098D14.1	0.77	4.07E-01	4.67E-01
LMLN	-0.13	4.07E-01	4.67E-01
NIT2	-0.09	4.07E-01	4.67E-01
RP11-422P24.10	0.35	4.07E-01	4.67E-01
RP11-778D9.12	-0.49	4.07E-01	4.68E-01
MAN2A2	-0.17	4.07E-01	4.68E-01
DPH3	-0.13	4.07E-01	4.68E-01
RNU4-40P	0.71	4.08E-01	4.68E-01
FGF16	-0.82	4.08E-01	4.68E-01
CHMP1B	0.13	4.08E-01	4.68E-01
RP11-741G21.1	-0.99	4.08E-01	4.68E-01
RP11-301O19.1	0.47	4.08E-01	4.68E-01
ZNF835	0.36	4.08E-01	4.69E-01
PDP2	-0.14	4.08E-01	4.69E-01
PARP4	-0.12	4.09E-01	4.69E-01
C7orf61	0.90	4.09E-01	4.69E-01
EIF5	-0.14	4.09E-01	4.69E-01
AC133106.2	0.64	4.09E-01	4.69E-01
EEF1E1P1	-1.07	4.09E-01	4.69E-01
ZSWIM1	-0.11	4.09E-01	4.69E-01
CELF5	0.62	4.09E-01	4.69E-01
HIST3H3	-1.11	4.09E-01	4.69E-01
RP11-603J24.21	-0.69	4.09E-01	4.69E-01
DDX10	-0.11	4.09E-01	4.70E-01
RPS3AP47	-0.37	4.11E-01	4.71E-01
NPC1L1	0.58	4.11E-01	4.71E-01
CTB-147C22.8	0.82	4.11E-01	4.71E-01
RPS25	0.13	4.11E-01	4.71E-01
XLOC_001110	-1.14	4.11E-01	4.71E-01
MFSD9	-0.09	4.11E-01	4.71E-01
XLOC_013263	-0.61	4.11E-01	4.71E-01
ITGA9	-0.15	4.11E-01	4.71E-01
RP11-651P23.2	-0.77	4.11E-01	4.71E-01
NINJ1	-0.18	4.11E-01	4.71E-01
VDR	0.12	4.11E-01	4.72E-01
RP11-325L7.1	-0.91	4.12E-01	4.72E-01
PCBP3-OT1	-0.57	4.12E-01	4.72E-01
CCZ1B	-0.15	4.12E-01	4.72E-01
ERLIN2	-0.12	4.12E-01	4.72E-01

LINC01549	0.59	4.12E-01	4.72E-01
BAD	-0.13	4.12E-01	4.72E-01
RP11-309L24.4	0.23	4.12E-01	4.72E-01
SMARCC2	0.09	4.12E-01	4.73E-01
MSTO2P	0.31	4.12E-01	4.73E-01
RPSAP8	-0.90	4.12E-01	4.73E-01
RPS26P15	0.69	4.12E-01	4.73E-01
RP11-342K6.4	0.82	4.13E-01	4.73E-01
SLC25A15	-0.14	4.13E-01	4.73E-01
AP000783.1	0.88	4.13E-01	4.73E-01
FAM83G	-0.15	4.13E-01	4.73E-01
CTD-2384B11.2	-0.89	4.13E-01	4.73E-01
RN7SL344P	-1.05	4.13E-01	4.73E-01
RP11-157J24.2	-0.55	4.13E-01	4.73E-01
ZSCAN26	-0.13	4.13E-01	4.73E-01
SNRNP200	0.08	4.14E-01	4.74E-01
RAP2C	0.13	4.14E-01	4.74E-01
C5orf67	-0.45	4.14E-01	4.74E-01
AP000295.10	0.77	4.14E-01	4.74E-01
TPTEP1	0.30	4.14E-01	4.75E-01
G12855	-0.77	4.14E-01	4.75E-01
SLC52A1	0.28	4.14E-01	4.75E-01
PHACTR4	0.12	4.14E-01	4.75E-01
IFIH1	-0.14	4.15E-01	4.75E-01
ORAI1	0.13	4.15E-01	4.75E-01
PEX13	-0.10	4.15E-01	4.75E-01
ACE2	-0.31	4.15E-01	4.76E-01
AHRR	0.15	4.15E-01	4.76E-01
NLGN4Y	0.62	4.15E-01	4.76E-01
CTD-2517O10.6	-0.26	4.15E-01	4.76E-01
RP11-153M3.1	-0.97	4.16E-01	4.76E-01
ICMT	0.12	4.16E-01	4.76E-01
RPS6P8	-0.89	4.16E-01	4.76E-01
DES	-0.39	4.16E-01	4.76E-01
FGFBP1	-0.24	4.16E-01	4.76E-01
GABPB1	0.09	4.16E-01	4.76E-01
RP11-1072C15.6	0.49	4.16E-01	4.76E-01
MYLIP	-0.12	4.16E-01	4.76E-01
ZCWPW2	-0.17	4.16E-01	4.77E-01
SHQ1	-0.09	4.16E-01	4.77E-01
FAM129C	-0.54	4.16E-01	4.77E-01
RP11-6J21.2	-0.70	4.17E-01	4.77E-01
XLOC_008756	-0.57	4.17E-01	4.77E-01
AC105760.2	-0.27	4.17E-01	4.77E-01
ALG1L9P	-0.24	4.17E-01	4.77E-01

FAM229A	0.30	4.17E-01	4.78E-01
RNU6-1024P	0.67	4.17E-01	4.78E-01
CTNNA1	0.08	4.17E-01	4.78E-01
RPL32P34	-0.72	4.18E-01	4.78E-01
TIPARP-AS1	0.23	4.18E-01	4.78E-01
ZNF683	-0.49	4.18E-01	4.78E-01
HMGN4	0.11	4.18E-01	4.78E-01
KLRG2	0.29	4.18E-01	4.78E-01
KRT8P43	-1.09	4.18E-01	4.79E-01
MIR4737	-0.54	4.18E-01	4.79E-01
TTLL11	0.14	4.19E-01	4.79E-01
NUP210	0.17	4.19E-01	4.79E-01
AC114730.11	-0.73	4.19E-01	4.79E-01
GS1-24F4.2	-0.69	4.19E-01	4.79E-01
CDK7	0.14	4.19E-01	4.80E-01
NPM1P27	-0.18	4.20E-01	4.80E-01
F5	-0.43	4.20E-01	4.80E-01
RP11-342D14.1	-0.72	4.20E-01	4.80E-01
TRIM58	0.46	4.20E-01	4.81E-01
LDHC	-1.01	4.20E-01	4.81E-01
BCL2L2	0.10	4.20E-01	4.81E-01
CTD-3203P2.1	-0.57	4.20E-01	4.81E-01
G33515	0.72	4.20E-01	4.81E-01
IGHV3-23	1.43	4.21E-01	4.81E-01
SLITRK4	0.48	4.21E-01	4.81E-01
SETP14	0.39	4.21E-01	4.81E-01
XLOC_011075	0.44	4.21E-01	4.81E-01
SLC16A5	-0.12	4.21E-01	4.81E-01
AL359836.1	-0.77	4.21E-01	4.81E-01
CTC-301O7.4	-0.57	4.21E-01	4.82E-01
ZNF229	-0.27	4.22E-01	4.82E-01
GPM6B	-0.23	4.22E-01	4.83E-01
RP11-254I22.1	-0.47	4.22E-01	4.83E-01
UPF3BP4	-0.90	4.22E-01	4.83E-01
GGCT	-0.21	4.22E-01	4.83E-01
COX6A1P2	-0.30	4.22E-01	4.83E-01
LRP5L	0.22	4.23E-01	4.83E-01
RN7SL689P	-0.48	4.23E-01	4.83E-01
MGAT5	0.08	4.23E-01	4.83E-01
SLC25A17	0.14	4.23E-01	4.83E-01
RP11-292F22.7	-0.50	4.23E-01	4.83E-01
DNTTIP2	0.13	4.23E-01	4.84E-01
SLC10A4	0.70	4.23E-01	4.84E-01
RP11-195B21.3	-0.81	4.23E-01	4.84E-01
CTD-2523D13.2	0.37	4.24E-01	4.84E-01

RP11-20I20.1	1.05	4.24E-01	4.84E-01
RP11-576N17.5	-1.08	4.24E-01	4.84E-01
XLOC_005856	-0.94	4.24E-01	4.84E-01
IL36B	0.34	4.24E-01	4.84E-01
RP11-49I11.4	0.46	4.24E-01	4.85E-01
AKR1D1	-1.26	4.24E-01	4.85E-01
RP11-571M6.18	-0.37	4.24E-01	4.85E-01
RP11-107E5.4	-0.52	4.24E-01	4.85E-01
RP11-650P15.1	0.88	4.25E-01	4.85E-01
CYP1B1	-0.32	4.25E-01	4.85E-01
ZNF436-AS1	-0.27	4.25E-01	4.85E-01
RHD	0.70	4.25E-01	4.85E-01
KPNB1	0.07	4.25E-01	4.85E-01
FAM209A	0.57	4.25E-01	4.86E-01
LINC00449	-0.72	4.25E-01	4.86E-01
HORMAD1	-0.87	4.25E-01	4.86E-01
RP11-30K9.6	-0.27	4.25E-01	4.86E-01
RP11-557H15.4	-0.43	4.25E-01	4.86E-01
G22135	-0.81	4.25E-01	4.86E-01
RP11-474I16.8	0.66	4.25E-01	4.86E-01
AP001469.9	-0.33	4.26E-01	4.86E-01
CTD-2026G6.3	-1.03	4.26E-01	4.86E-01
CHRNA7	0.41	4.26E-01	4.87E-01
RP1-136B1.1	-0.78	4.26E-01	4.87E-01
RP5-867C24.4	0.49	4.26E-01	4.87E-01
COX17	0.12	4.26E-01	4.87E-01
LINC01186	-0.78	4.26E-01	4.87E-01
RP11-286N22.16	-1.14	4.26E-01	4.87E-01
YWHAQP5	0.83	4.26E-01	4.87E-01
COIL	0.10	4.26E-01	4.87E-01
TRGC2	-0.59	4.26E-01	4.87E-01
RP11-281O15.4	0.62	4.27E-01	4.87E-01
RP11-557L19.1	1.14	4.27E-01	4.87E-01
SLC16A4	-0.30	4.27E-01	4.87E-01
HSPD1	-0.14	4.27E-01	4.87E-01
RP11-284F21.9	0.95	4.27E-01	4.88E-01
RDX	0.12	4.27E-01	4.88E-01
CTB-113I20.2	0.27	4.27E-01	4.88E-01
AP000304.1	-0.77	4.28E-01	4.88E-01
SULT1A2	-0.55	4.28E-01	4.88E-01
CTD-3060P21.1	0.75	4.28E-01	4.88E-01
RP11-572M11.1	0.94	4.28E-01	4.88E-01
CFHR3	0.94	4.28E-01	4.88E-01
PARP6	0.12	4.28E-01	4.88E-01
RP11-14C10.3	-0.77	4.28E-01	4.88E-01

DNALI1	0.23	4.28E-01	4.88E-01
SCP2	-0.14	4.28E-01	4.88E-01
APOL6	0.20	4.28E-01	4.89E-01
G9514	-0.53	4.28E-01	4.89E-01
ENOPH1	-0.12	4.28E-01	4.89E-01
XLOC_003808	-0.80	4.29E-01	4.89E-01
IGSF1	0.59	4.29E-01	4.89E-01
LCE1C	0.27	4.29E-01	4.89E-01
RABEP1	-0.07	4.29E-01	4.89E-01
PLPP6	-0.10	4.29E-01	4.89E-01
IGSF5	0.81	4.29E-01	4.89E-01
RP4-635A23.4	0.49	4.29E-01	4.89E-01
PLSCR2	-0.59	4.29E-01	4.90E-01
KIAA1161	-0.15	4.29E-01	4.90E-01
XLOC_001013	-0.75	4.29E-01	4.90E-01
LUC7L2	-0.09	4.30E-01	4.90E-01
RP11-56M3.1	0.73	4.30E-01	4.90E-01
BAAT	-0.99	4.30E-01	4.90E-01
RP11-481A20.10	-0.99	4.30E-01	4.90E-01
RP11-430C7.5	0.72	4.30E-01	4.90E-01
ITGA2B	-0.37	4.30E-01	4.90E-01
RP11-74E22.4	-0.64	4.30E-01	4.90E-01
ATP5L	-0.13	4.30E-01	4.91E-01
C3orf67	0.25	4.30E-01	4.91E-01
MRPS17P1	-0.85	4.31E-01	4.91E-01
SNX20	-0.27	4.31E-01	4.91E-01
SNHG8	-0.22	4.31E-01	4.91E-01
RP1-172I22.1	-1.34	4.31E-01	4.91E-01
SOGA1	-0.17	4.31E-01	4.91E-01
STARD6	0.58	4.31E-01	4.91E-01
RPL23P2	0.43	4.31E-01	4.91E-01
AC090587.5	0.44	4.31E-01	4.91E-01
RP4-593H12.1	-0.74	4.31E-01	4.92E-01
RP11-484N16.1	-0.71	4.31E-01	4.92E-01
MIR4664	0.29	4.32E-01	4.92E-01
UBE3D	-0.16	4.32E-01	4.92E-01
SUGT1P	-0.32	4.32E-01	4.92E-01
YEATS4	-0.15	4.32E-01	4.92E-01
RP11-402J7.2	-0.96	4.32E-01	4.92E-01
CNTLN	0.13	4.32E-01	4.92E-01
CTNNA2	-0.47	4.32E-01	4.92E-01
UPF3AP1	0.63	4.32E-01	4.92E-01
RP5-1120P11.1	0.62	4.32E-01	4.92E-01
SLC7A11	-0.30	4.32E-01	4.93E-01
RP11-148B18.4	-0.66	4.32E-01	4.93E-01

RP11-77K12.5	-0.49	4.32E-01	4.93E-01
CTLA4	-0.55	4.33E-01	4.93E-01
TTTY14	0.33	4.33E-01	4.93E-01
RNU6-731P	-0.89	4.33E-01	4.93E-01
SF3B6	0.15	4.33E-01	4.93E-01
RP11-175P13.2	-0.87	4.33E-01	4.94E-01
CYP4F24P	-0.90	4.33E-01	4.94E-01
TLDC2	-0.32	4.34E-01	4.94E-01
CCDC183-AS1	0.38	4.34E-01	4.94E-01
CTD-3022L24.1	-0.45	4.34E-01	4.94E-01
RP11-284M14.1	0.35	4.34E-01	4.94E-01
AK6	-0.14	4.34E-01	4.94E-01
TRIM31-AS1	-0.63	4.34E-01	4.94E-01
TDRD7	0.11	4.34E-01	4.94E-01
LRRK1	-0.11	4.34E-01	4.94E-01
SPX	-1.02	4.34E-01	4.94E-01
TEX30	0.12	4.34E-01	4.94E-01
ALG12	0.09	4.34E-01	4.94E-01
LBR	-0.09	4.34E-01	4.94E-01
UXT	-0.11	4.34E-01	4.94E-01
CTD-2583A14.11	0.34	4.34E-01	4.94E-01
RP11-218L14.4	0.98	4.34E-01	4.95E-01
MDGA1	0.54	4.35E-01	4.95E-01
RP11-191L17.1	0.82	4.35E-01	4.95E-01
AC073343.13	-0.67	4.35E-01	4.95E-01
RP5-866L20.1	-0.64	4.35E-01	4.95E-01
AC091729.8	-0.71	4.35E-01	4.95E-01
CTD-2341M24.1	0.47	4.35E-01	4.95E-01
RP11-689P11.2	0.39	4.35E-01	4.95E-01
SNAI3	0.33	4.35E-01	4.95E-01
KREMEN2	0.25	4.35E-01	4.95E-01
IL1RL1	-0.38	4.36E-01	4.96E-01
NNT-AS1	0.14	4.36E-01	4.96E-01
IL23R	0.66	4.36E-01	4.96E-01
YARS2	0.09	4.36E-01	4.96E-01
GBF1	0.08	4.36E-01	4.96E-01
RP11-1149M10.2	-0.72	4.36E-01	4.96E-01
CCT2	0.11	4.36E-01	4.96E-01
GAL3ST2	-0.68	4.36E-01	4.96E-01
HSPB8	0.13	4.37E-01	4.97E-01
XLOC_006932	0.77	4.37E-01	4.97E-01
RP11-977G19.11	-0.47	4.37E-01	4.97E-01
LINC00680	0.14	4.37E-01	4.97E-01
SEC16A	0.10	4.37E-01	4.97E-01
CALCR	0.86	4.37E-01	4.97E-01

DCD	1.27	4.37E-01	4.97E-01
AGAP6	0.23	4.37E-01	4.97E-01
RIBC1	-0.22	4.37E-01	4.97E-01
1-Mar	0.32	4.37E-01	4.97E-01
G1115	0.93	4.38E-01	4.97E-01
MYL12BP1	-0.58	4.38E-01	4.98E-01
LMO1	0.21	4.38E-01	4.98E-01
ZNF878	0.49	4.38E-01	4.98E-01
MOB3B	-0.09	4.38E-01	4.98E-01
GLI1	-0.37	4.38E-01	4.98E-01
ZNF610	-0.30	4.38E-01	4.98E-01
KRTAP4-11	-2.00	4.38E-01	4.98E-01
RP11-230F18.5	-0.26	4.38E-01	4.98E-01
POLR1C	0.10	4.38E-01	4.98E-01
RP11-316M21.7	0.38	4.39E-01	4.99E-01
HIGD2A	-0.11	4.39E-01	4.99E-01
RP1-50J22.4	0.65	4.39E-01	4.99E-01
LRRTM1	-0.83	4.39E-01	4.99E-01
MATN1-AS1	-0.20	4.39E-01	4.99E-01
PSMD5	-0.08	4.39E-01	4.99E-01
RP11-10K16.1	0.53	4.39E-01	4.99E-01
ATG4C	-0.14	4.39E-01	4.99E-01
AC004490.1	-0.36	4.39E-01	4.99E-01
MOK	-0.15	4.40E-01	4.99E-01
LINC00892	-0.63	4.40E-01	5.00E-01
AC005253.2	-0.31	4.40E-01	5.00E-01
C6orf58	-0.59	4.40E-01	5.00E-01
VWA3B	0.59	4.40E-01	5.00E-01
PCGF3	-0.09	4.40E-01	5.00E-01
TMPRSS5	-0.28	4.41E-01	5.00E-01
CTD-2349P21.5	0.53	4.41E-01	5.01E-01
SMN2	-0.53	4.41E-01	5.01E-01
RP11-549B18.1	-0.32	4.41E-01	5.01E-01
G18287	0.41	4.41E-01	5.01E-01
AGPAT1	0.25	4.41E-01	5.01E-01
OR7E106P	-1.14	4.41E-01	5.01E-01
KIAA0753	-0.10	4.41E-01	5.01E-01
AGBL5	0.08	4.41E-01	5.01E-01
LINC00540	-0.64	4.41E-01	5.01E-01
RP1-199J3.5	0.54	4.41E-01	5.01E-01
C2orf73	-0.55	4.41E-01	5.01E-01
BEX4	0.16	4.42E-01	5.02E-01
AC006277.2	-0.61	4.42E-01	5.02E-01
RP11-497E19.1	0.28	4.42E-01	5.02E-01
DNAH5	-0.54	4.42E-01	5.02E-01

TAB2	0.09	4.42E-01	5.02E-01
ERMARD	-0.10	4.42E-01	5.02E-01
RP11-140I16.3	-0.45	4.42E-01	5.02E-01
CTD-2410N18.4	-0.40	4.42E-01	5.02E-01
RP11-266K4.14	0.33	4.42E-01	5.02E-01
RNU6-790P	0.71	4.43E-01	5.02E-01
AC139099.4	-0.63	4.43E-01	5.02E-01
SYCE1	0.92	4.43E-01	5.03E-01
RP11-534C12.1	-0.44	4.43E-01	5.03E-01
LINC00636	-0.77	4.43E-01	5.03E-01
KCNN2	0.26	4.43E-01	5.03E-01
AC096670.3	0.62	4.43E-01	5.03E-01
FAM150B	-0.23	4.43E-01	5.03E-01
AC009227.2	-1.20	4.44E-01	5.03E-01
SNORD51	0.40	4.44E-01	5.03E-01
FLJ43879	-0.76	4.44E-01	5.03E-01
G36480	-1.16	4.44E-01	5.03E-01
CHMP5	0.13	4.44E-01	5.04E-01
RNU6-125P	-0.61	4.44E-01	5.04E-01
AC002451.3	-0.52	4.44E-01	5.04E-01
RP11-351I24.1	0.45	4.45E-01	5.05E-01
RP3-449M8.9	-0.48	4.45E-01	5.05E-01
FAM156A	-0.28	4.45E-01	5.05E-01
FOXO3	-0.08	4.45E-01	5.05E-01
RP11-88E10.5	0.23	4.45E-01	5.05E-01
GS1-124K5.4	0.28	4.45E-01	5.05E-01
HSPA8P4	0.55	4.46E-01	5.05E-01
TWF1	0.15	4.46E-01	5.06E-01
CTD-2527I21.15	0.42	4.46E-01	5.06E-01
GTF2H1	-0.07	4.46E-01	5.06E-01
KRTAP19-3	-2.97	4.46E-01	5.06E-01
CTD-2095E4.5	0.26	4.47E-01	5.07E-01
RP11-278C7.4	-0.26	4.47E-01	5.07E-01
CTD-2270L9.2	-0.55	4.47E-01	5.07E-01
CELA2B	-0.72	4.47E-01	5.07E-01
C12orf57	0.15	4.47E-01	5.07E-01
C2orf27A	0.28	4.47E-01	5.07E-01
DLEU7-AS1	-0.68	4.47E-01	5.07E-01
PSORS1C3	-0.55	4.48E-01	5.08E-01
RP11-39C10.1	-1.06	4.49E-01	5.09E-01
PPP1R36	-0.19	4.49E-01	5.09E-01
TFAP2C	0.11	4.49E-01	5.09E-01
LINC00882	0.42	4.49E-01	5.09E-01
RP11-1012E15.2	-0.98	4.49E-01	5.09E-01
RP11-252I14.1	-0.79	4.49E-01	5.09E-01

WDR11-AS1	0.78	4.49E-01	5.10E-01
RP11-666A20.4	0.47	4.50E-01	5.10E-01
TYMSOS	0.51	4.50E-01	5.10E-01
FAM69A	0.13	4.50E-01	5.10E-01
RP11-162J8.3	0.64	4.50E-01	5.10E-01
GSTT1	-0.86	4.50E-01	5.11E-01
MORN1	-0.15	4.51E-01	5.11E-01
BRD7	-0.08	4.51E-01	5.11E-01
KRT18P34	-0.38	4.51E-01	5.11E-01
HIGD1A	-0.15	4.51E-01	5.11E-01
RP11-126O1.5	0.87	4.51E-01	5.11E-01
LCE4A	-0.33	4.51E-01	5.11E-01
CARD8	0.15	4.51E-01	5.11E-01
RP11-44B19.1	0.69	4.51E-01	5.11E-01
DPY19L2P4	-0.80	4.52E-01	5.12E-01
G42804	-0.78	4.52E-01	5.12E-01
RP11-344B5.2	-0.27	4.52E-01	5.12E-01
G35261	-0.27	4.52E-01	5.12E-01
G38764	-0.61	4.52E-01	5.12E-01
LY6G5B	-0.34	4.52E-01	5.12E-01
G34374	-0.67	4.52E-01	5.13E-01
TATDN3	0.13	4.53E-01	5.13E-01
CTD-2020K17.1	0.39	4.53E-01	5.13E-01
OVGP1	0.27	4.53E-01	5.13E-01
DLD	-0.10	4.53E-01	5.13E-01
PPP1R32	0.26	4.53E-01	5.13E-01
CTD-3032J10.4	0.58	4.53E-01	5.14E-01
TCP11	0.52	4.54E-01	5.14E-01
G32318	0.89	4.54E-01	5.14E-01
LINC01184	-0.13	4.54E-01	5.14E-01
RAD51AP1	-0.15	4.54E-01	5.14E-01
RN7SL832P	0.41	4.54E-01	5.14E-01
FAIM	0.12	4.54E-01	5.14E-01
SRP72	0.09	4.54E-01	5.14E-01
AXL	0.24	4.54E-01	5.14E-01
KCNE5	0.66	4.55E-01	5.15E-01
XLOC_005247	-0.20	4.55E-01	5.15E-01
PDCD4	-0.13	4.55E-01	5.15E-01
SLC25A36P1	-0.69	4.55E-01	5.15E-01
DGCR9	0.60	4.55E-01	5.15E-01
RP11-380G5.3	0.34	4.55E-01	5.15E-01
RP11-140K17.3	0.21	4.55E-01	5.15E-01
RP11-533E19.5	0.47	4.55E-01	5.15E-01
GPR34	0.35	4.56E-01	5.16E-01
CTD-2024P10.1	-0.76	4.56E-01	5.16E-01

MORF4L1P4	-0.96	4.56E-01	5.16E-01
ADAMTS15	0.36	4.56E-01	5.17E-01
RP11-680G24.5	-0.38	4.56E-01	5.17E-01
SHISA6	0.31	4.56E-01	5.17E-01
KRT4	0.64	4.57E-01	5.17E-01
AC144831.1	0.21	4.57E-01	5.17E-01
RAB5A	-0.13	4.57E-01	5.17E-01
BLM	-0.14	4.57E-01	5.17E-01
SLC5A11	-0.54	4.57E-01	5.17E-01
RP11-379F4.6	0.36	4.57E-01	5.17E-01
CTA-984G1.5	-0.53	4.57E-01	5.17E-01
RP11-182J1.17	0.68	4.58E-01	5.18E-01
RP5-1139B12.2	-0.28	4.58E-01	5.18E-01
NUP88	-0.09	4.58E-01	5.18E-01
RP11-1348G14.4	0.34	4.58E-01	5.18E-01
MPZ	-0.29	4.58E-01	5.18E-01
DNAJB5-AS1	-0.86	4.58E-01	5.18E-01
RP11-21B23.1	-0.66	4.58E-01	5.18E-01
CATSPER2P1	0.21	4.58E-01	5.18E-01
SLC25A29	0.17	4.58E-01	5.19E-01
GS1-590J6.3	-0.52	4.59E-01	5.19E-01
ACOT1	-0.67	4.59E-01	5.19E-01
COX14	0.12	4.59E-01	5.19E-01
MT1XP1	0.57	4.59E-01	5.19E-01
CTD-2554C21.3	0.31	4.59E-01	5.19E-01
PKNOX2	-0.19	4.59E-01	5.19E-01
LDLRAD4-AS1	0.41	4.59E-01	5.19E-01
IGFLR1	-0.38	4.60E-01	5.20E-01
CAPN13	-0.61	4.60E-01	5.20E-01
VDAC1P1	-0.69	4.60E-01	5.20E-01
CRMP1	-0.16	4.60E-01	5.20E-01
DNAJA1	0.15	4.60E-01	5.20E-01
HEPACAM	1.20	4.60E-01	5.20E-01
IWS1	0.07	4.60E-01	5.20E-01
MYCL	-0.20	4.60E-01	5.20E-01
RP11-340C20.3	-1.32	4.60E-01	5.20E-01
CTC-340D7.1	-0.95	4.60E-01	5.20E-01
RP1-86C11.7	-0.61	4.60E-01	5.20E-01
TUBB4B	-0.14	4.60E-01	5.20E-01
B9D1	0.16	4.61E-01	5.21E-01
ATG3	0.10	4.61E-01	5.21E-01
MRPS28	-0.11	4.61E-01	5.21E-01
SETD4	-0.13	4.61E-01	5.21E-01
DSCR3	0.06	4.61E-01	5.21E-01
UMPS	0.09	4.61E-01	5.21E-01

XLOC_005254	-0.69	4.61E-01	5.21E-01
CTD-2541J13.1	0.46	4.61E-01	5.21E-01
PDCD1LG2	0.32	4.61E-01	5.21E-01
G8261	0.78	4.61E-01	5.21E-01
KRTAP5-9	0.75	4.61E-01	5.21E-01
RP11-538D16.3	-0.69	4.61E-01	5.21E-01
KB-1507C5.4	0.40	4.62E-01	5.21E-01
MIR5094	0.65	4.62E-01	5.22E-01
AGAP2-AS1	0.35	4.62E-01	5.22E-01
11-Sep	0.25	4.62E-01	5.22E-01
RP11-1102P22.1	-0.44	4.62E-01	5.22E-01
RP11-699C17.1	-0.41	4.62E-01	5.22E-01
POU5F1	0.25	4.62E-01	5.22E-01
FAM66D	-0.56	4.63E-01	5.22E-01
bP-21264C1.2	0.39	4.63E-01	5.22E-01
GZMK	0.86	4.63E-01	5.22E-01
NFRKB	0.08	4.63E-01	5.22E-01
SIN3A	-0.08	4.63E-01	5.23E-01
C1QTNF2	0.25	4.63E-01	5.23E-01
PPP1R10	0.11	4.63E-01	5.23E-01
SKAP2	-0.12	4.63E-01	5.23E-01
RAD51AP2	0.42	4.64E-01	5.23E-01
RP11-69I8.3	0.49	4.64E-01	5.23E-01
ZNF763	0.21	4.64E-01	5.23E-01
MFSD7	0.18	4.64E-01	5.24E-01
LINC00707	0.48	4.64E-01	5.24E-01
RBM5	-0.14	4.64E-01	5.24E-01
ZSCAN25	-0.08	4.64E-01	5.24E-01
IGLV1-44	0.94	4.64E-01	5.24E-01
G39661	-0.37	4.64E-01	5.24E-01
CDNF	-0.16	4.65E-01	5.24E-01
MLLT3	-0.11	4.65E-01	5.25E-01
JMJD1C-AS1	-0.35	4.65E-01	5.25E-01
RP1-29C18.9	0.81	4.65E-01	5.25E-01
CTB-79E8.3	-0.34	4.65E-01	5.25E-01
RP11-73K9.2	0.23	4.65E-01	5.25E-01
ACSL3	0.15	4.65E-01	5.25E-01
IL11	0.37	4.65E-01	5.25E-01
MLLT11	-0.18	4.66E-01	5.25E-01
RP11-210M15.2	0.43	4.66E-01	5.25E-01
AGPAT5	-0.15	4.66E-01	5.25E-01
TNFSF18	0.57	4.66E-01	5.25E-01
PFN1P3	0.35	4.66E-01	5.26E-01
TRPM3	0.33	4.66E-01	5.26E-01
RP11-435B5.3	0.96	4.66E-01	5.26E-01

C12orf77	-0.54	4.66E-01	5.26E-01
BLOC1S2	0.13	4.66E-01	5.26E-01
GOLGA7	-0.12	4.66E-01	5.26E-01
CEP55	0.20	4.67E-01	5.26E-01
RP1-29C18.8	-0.61	4.67E-01	5.26E-01
SPINK13	-0.90	4.67E-01	5.26E-01
MRC1L1	0.42	4.67E-01	5.27E-01
ZNF77	-0.12	4.67E-01	5.27E-01
PDLIM2	-0.12	4.67E-01	5.27E-01
THRAP3	-0.08	4.67E-01	5.27E-01
SLC24A2	-0.47	4.67E-01	5.27E-01
IGSF22	0.20	4.67E-01	5.27E-01
PDSS1	0.12	4.68E-01	5.27E-01
RNU6ATAC27P	-0.54	4.68E-01	5.27E-01
TENM4	-0.12	4.68E-01	5.27E-01
RP11-131M11.3	-0.29	4.68E-01	5.27E-01
XXbac-B476C20.9	-0.28	4.68E-01	5.27E-01
BMS1	-0.08	4.68E-01	5.27E-01
RP5-994D16.11	0.46	4.68E-01	5.28E-01
FSIP1	0.35	4.68E-01	5.28E-01
TMEM52	-0.31	4.68E-01	5.28E-01
RAMP2-AS1	0.34	4.69E-01	5.28E-01
FXR1	0.07	4.69E-01	5.29E-01
ZNF114	-0.28	4.69E-01	5.29E-01
RP1-74B13.2	-0.72	4.69E-01	5.29E-01
CTC-490E21.10	0.36	4.69E-01	5.29E-01
RNU6-722P	0.60	4.70E-01	5.30E-01
PPIP5K1	-0.10	4.70E-01	5.30E-01
UGT2B7	0.53	4.70E-01	5.30E-01
LINC00173	-0.33	4.70E-01	5.30E-01
NARS2	0.09	4.70E-01	5.30E-01
CTB-58E17.5	0.47	4.71E-01	5.30E-01
RPS4XP5	0.50	4.71E-01	5.30E-01
IGHV3-74	-0.92	4.71E-01	5.30E-01
LINC01115	-0.86	4.71E-01	5.30E-01
CSPP1	0.11	4.71E-01	5.30E-01
PROS1	0.12	4.71E-01	5.31E-01
PPM1D	0.08	4.71E-01	5.31E-01
RP4-761J14.10	-0.32	4.71E-01	5.31E-01
G11043	-0.31	4.71E-01	5.31E-01
SMPD2	-0.13	4.72E-01	5.31E-01
RP11-347C12.11	0.67	4.72E-01	5.31E-01
RNU6-312P	-0.80	4.72E-01	5.31E-01
CLCNKA	0.87	4.72E-01	5.32E-01
RP11-723O4.9	0.47	4.72E-01	5.32E-01

DIRAS3	-0.35	4.73E-01	5.32E-01
TEX35	-0.68	4.73E-01	5.32E-01
TMPRSS9	-0.30	4.73E-01	5.33E-01
RP11-756P10.6	0.32	4.73E-01	5.33E-01
C2orf66	0.49	4.73E-01	5.33E-01
RN7SL749P	-0.76	4.73E-01	5.33E-01
RP11-466F5.6	-0.64	4.73E-01	5.33E-01
RPL19	0.10	4.73E-01	5.33E-01
LA16c-316G12.2	-0.63	4.73E-01	5.33E-01
RP11-400F19.6	-0.69	4.73E-01	5.33E-01
RPL12P12	-0.51	4.74E-01	5.33E-01
RMI2	0.11	4.74E-01	5.33E-01
AL023807.1	0.63	4.74E-01	5.33E-01
CELF4	0.28	4.74E-01	5.33E-01
POLR2F	0.43	4.74E-01	5.33E-01
RP11-341G23.4	-0.79	4.74E-01	5.34E-01
RRN3P3	-0.16	4.74E-01	5.34E-01
GRK7	0.52	4.74E-01	5.34E-01
SLIRP	-0.11	4.74E-01	5.34E-01
RHOXF1	0.59	4.74E-01	5.34E-01
RP11-556H2.1	0.51	4.75E-01	5.34E-01
LINC01118	0.46	4.75E-01	5.34E-01
CASC2	0.24	4.75E-01	5.34E-01
KIF4A	0.16	4.75E-01	5.34E-01
TMPO-AS1	0.23	4.75E-01	5.34E-01
TIMM23	0.09	4.75E-01	5.34E-01
G41968	-0.74	4.75E-01	5.35E-01
ACOX2	-0.45	4.75E-01	5.35E-01
CTD-2012J19.3	-0.30	4.76E-01	5.35E-01
FAAH2	-0.12	4.76E-01	5.35E-01
RP1-315G1.3	0.53	4.76E-01	5.35E-01
RP11-4O1.2	0.20	4.76E-01	5.36E-01
AC104135.2	-0.89	4.76E-01	5.36E-01
LINC01232	-0.18	4.76E-01	5.36E-01
DCAF4	-0.09	4.76E-01	5.36E-01
RP11-521B24.5	-0.33	4.76E-01	5.36E-01
RP11-429D19.1	0.33	4.76E-01	5.36E-01
CTC-431G16.2	-0.98	4.76E-01	5.36E-01
WDR87	-0.86	4.76E-01	5.36E-01
XLOC_000852	0.53	4.76E-01	5.36E-01
CTD-2600O9.2	0.54	4.77E-01	5.36E-01
CDC16	0.08	4.77E-01	5.36E-01
SSC4D	0.25	4.77E-01	5.37E-01
AL672294.1	-1.07	4.77E-01	5.37E-01
AC009299.5	0.54	4.77E-01	5.37E-01

G42353	-0.80	4.78E-01	5.37E-01
TSN	-0.09	4.78E-01	5.37E-01
RHOU	0.17	4.78E-01	5.37E-01
RP11-217B7.2	-0.35	4.78E-01	5.37E-01
OR8T1P	0.74	4.78E-01	5.37E-01
G38642	-0.88	4.78E-01	5.38E-01
HEXA	0.17	4.78E-01	5.38E-01
DACT2	0.16	4.78E-01	5.38E-01
ZNF197-AS1	-0.66	4.78E-01	5.38E-01
RP11-569A2.2	-0.64	4.79E-01	5.38E-01
RNU7-181P	-0.61	4.79E-01	5.38E-01
RP11-45A17.2	-0.26	4.79E-01	5.38E-01
RP1-40E16.12	-0.34	4.79E-01	5.38E-01
RP11-5O17.1	-0.30	4.79E-01	5.38E-01
RBMS3-AS2	-0.46	4.79E-01	5.38E-01
RP11-95P13.1	0.40	4.79E-01	5.38E-01
EEF1A1P22	-0.85	4.79E-01	5.38E-01
ERP44	0.08	4.79E-01	5.38E-01
MYLK3	0.51	4.79E-01	5.39E-01
AL133245.2	-0.38	4.80E-01	5.39E-01
CTD-2179L22.1	-0.45	4.80E-01	5.39E-01
SRP54	-0.09	4.80E-01	5.39E-01
LL09NC01-251B2.3	-0.57	4.80E-01	5.39E-01
GP5	-0.51	4.80E-01	5.39E-01
G5246	-0.53	4.80E-01	5.39E-01
ZAN	-0.45	4.80E-01	5.40E-01
RP3-403A15.5	-0.82	4.80E-01	5.40E-01
RP11-324L17.1	-0.55	4.80E-01	5.40E-01
RP5-908M14.10	-0.35	4.81E-01	5.40E-01
SLC27A5	0.15	4.81E-01	5.40E-01
RPL9	-0.15	4.81E-01	5.40E-01
LHFPL3-AS1	0.40	4.81E-01	5.40E-01
CTC-499B15.5	-0.31	4.81E-01	5.41E-01
RP11-133K1.11	-0.62	4.81E-01	5.41E-01
RP11-295D4.1	-0.36	4.82E-01	5.41E-01
RNF146	0.07	4.82E-01	5.41E-01
RPS20P22	0.48	4.82E-01	5.41E-01
DAPK2	0.17	4.82E-01	5.42E-01
PRRC2C	0.10	4.82E-01	5.42E-01
PABPC1P4	-0.27	4.83E-01	5.42E-01
RNU2-69P	-0.66	4.83E-01	5.42E-01
RP11-165M1.1	-0.50	4.83E-01	5.42E-01
IFNA5	-0.92	4.83E-01	5.42E-01
AP000640.10	-0.35	4.83E-01	5.42E-01
RP4-756H11.3	-0.21	4.83E-01	5.42E-01

PEX7	-0.11	4.83E-01	5.43E-01
TLR1	-0.19	4.84E-01	5.43E-01
4-Mar	-0.50	4.84E-01	5.43E-01
MAVS	-0.07	4.84E-01	5.43E-01
ITM2B	0.13	4.84E-01	5.44E-01
TAS2R42	-0.87	4.84E-01	5.44E-01
RP11-167H9.4	-0.70	4.84E-01	5.44E-01
RP11-723O4.2	-0.30	4.85E-01	5.44E-01
TRPC6	0.26	4.85E-01	5.44E-01
SHISA2	-0.40	4.85E-01	5.44E-01
ZNF512	0.14	4.85E-01	5.45E-01
VMAC	-0.17	4.85E-01	5.45E-01
G31717	-0.29	4.86E-01	5.45E-01
CDC45	-0.15	4.86E-01	5.45E-01
PAEP	0.55	4.86E-01	5.45E-01
ZNF699	0.22	4.86E-01	5.45E-01
GACAT2	0.61	4.86E-01	5.45E-01
RN7SL180P	-0.59	4.86E-01	5.45E-01
BLZF2P	0.52	4.86E-01	5.46E-01
C5orf15	-0.12	4.87E-01	5.46E-01
DUSP27	-0.77	4.87E-01	5.47E-01
RP11-228B15.4	0.27	4.87E-01	5.47E-01
RP11-259O2.1	-0.24	4.87E-01	5.47E-01
MIR429	-0.67	4.87E-01	5.47E-01
RP11-451B8.1	0.65	4.88E-01	5.47E-01
ERICH5	-0.29	4.88E-01	5.47E-01
RP11-6L6.2	0.65	4.88E-01	5.47E-01
RP11-35G9.5	-0.26	4.88E-01	5.47E-01
TRPM8	0.67	4.88E-01	5.47E-01
AP001046.5	0.15	4.88E-01	5.48E-01
PTMAP4	0.31	4.89E-01	5.48E-01
RP11-996F15.4	0.35	4.89E-01	5.48E-01
COLCA1	0.40	4.89E-01	5.48E-01
MRGPRE	0.52	4.89E-01	5.48E-01
RRM2B	0.13	4.89E-01	5.48E-01
TBL1Y	-0.32	4.89E-01	5.48E-01
XLOC_011616	-0.57	4.89E-01	5.48E-01
SLC5A1	-0.15	4.89E-01	5.49E-01
TNS1	0.16	4.89E-01	5.49E-01
ZNF333	-0.10	4.90E-01	5.49E-01
PDK4	0.27	4.90E-01	5.49E-01
AC004985.12	0.56	4.90E-01	5.49E-01
PTGR2	-0.13	4.90E-01	5.49E-01
CLDN25	-0.91	4.90E-01	5.50E-01
RAB23	0.13	4.90E-01	5.50E-01

METTL24	-0.37	4.91E-01	5.50E-01
RP3-340B19.2	-0.28	4.91E-01	5.50E-01
AP000679.2	-0.40	4.91E-01	5.50E-01
G34216	-0.83	4.91E-01	5.50E-01
FAM221B	-0.57	4.91E-01	5.50E-01
FAM85B	-0.40	4.91E-01	5.50E-01
COX20P1	-1.12	4.91E-01	5.51E-01
CHMP4C	-0.22	4.91E-01	5.51E-01
ACOT4	0.39	4.92E-01	5.51E-01
RP11-17E13.2	-0.53	4.92E-01	5.52E-01
RNU6-758P	0.64	4.92E-01	5.52E-01
CTC-575I10.1	-0.32	4.93E-01	5.52E-01
XLOC_013994	0.56	4.93E-01	5.52E-01
CIDEA	0.52	4.93E-01	5.52E-01
FAM205A	0.42	4.93E-01	5.52E-01
TSPAN5	0.11	4.93E-01	5.52E-01
ANKRD20A7P	-0.39	4.93E-01	5.53E-01
LRP8	-0.14	4.93E-01	5.53E-01
RBMX	-0.08	4.94E-01	5.53E-01
RP11-1134I14.8	0.52	4.94E-01	5.53E-01
G18962	-0.42	4.94E-01	5.53E-01
ANAPC16	0.11	4.94E-01	5.53E-01
ABCA17P	-0.28	4.94E-01	5.53E-01
TMEM199	0.09	4.94E-01	5.53E-01
AP000807.1	-0.71	4.94E-01	5.53E-01
EP400	-0.13	4.94E-01	5.53E-01
CTD-2235C13.2	-0.62	4.94E-01	5.53E-01
MEF2B	-0.59	4.94E-01	5.53E-01
AC017002.2	-0.65	4.94E-01	5.54E-01
HOXB-AS2	0.48	4.94E-01	5.54E-01
CTD-2525I3.8	-0.69	4.95E-01	5.54E-01
IGSF6	-0.16	4.95E-01	5.54E-01
ADPRM	0.11	4.95E-01	5.55E-01
TXN	0.14	4.95E-01	5.55E-01
XLOC_009415	-0.89	4.96E-01	5.55E-01
RIOK3	0.10	4.96E-01	5.55E-01
RP11-156K23.3	0.19	4.96E-01	5.55E-01
BEX5	0.25	4.96E-01	5.55E-01
CORO2A	-0.12	4.96E-01	5.55E-01
RP1-313I6.12	0.18	4.96E-01	5.55E-01
NKAIN3	-0.51	4.96E-01	5.55E-01
RP11-60A14.1	0.57	4.96E-01	5.55E-01
PCAT18	-0.99	4.96E-01	5.55E-01
TMEM126B	-0.09	4.96E-01	5.55E-01
LINC00648	-0.71	4.96E-01	5.55E-01

RP11-45P15.4	0.16	4.97E-01	5.56E-01
KRT33A	-1.06	4.97E-01	5.56E-01
CLECL1	-0.42	4.97E-01	5.56E-01
RP11-1334A24.5	0.45	4.97E-01	5.56E-01
AC142528.1	-0.58	4.97E-01	5.56E-01
RP11-568A7.1	-0.70	4.97E-01	5.57E-01
TRIM72	0.28	4.97E-01	5.57E-01
PRKAA2	-0.30	4.98E-01	5.57E-01
CETN4P	-0.71	4.98E-01	5.57E-01
RP11-561B11.1	0.68	4.98E-01	5.57E-01
NDUFS7	0.17	4.98E-01	5.57E-01
DOCK8	0.13	4.98E-01	5.57E-01
PRKAR1A	-0.09	4.98E-01	5.57E-01
HOGA1	-0.22	4.98E-01	5.58E-01
DCAF11	0.07	4.98E-01	5.58E-01
CREBBP	-0.10	4.99E-01	5.58E-01
AC002059.10	-0.80	4.99E-01	5.58E-01
EIF3FP3	-0.23	4.99E-01	5.58E-01
CLK1	-0.16	4.99E-01	5.58E-01
G12891	-0.37	4.99E-01	5.58E-01
RP13-16H11.8	-0.69	4.99E-01	5.58E-01
RNF11	0.12	4.99E-01	5.58E-01
RP11-486B10.4	-0.28	4.99E-01	5.58E-01
RP1-122P22.2	0.30	4.99E-01	5.58E-01
ZKSCAN4	0.09	5.00E-01	5.59E-01
RP11-453E17.3	-0.31	5.00E-01	5.59E-01
C6orf141	0.25	5.00E-01	5.59E-01
RP11-667M19.9	-0.41	5.00E-01	5.59E-01
GOLGA8Q	0.43	5.00E-01	5.59E-01
RP11-16B9.1	-0.62	5.01E-01	5.60E-01
ASNSD1	0.10	5.01E-01	5.60E-01
XLOC_003411	-0.23	5.01E-01	5.60E-01
PTGDR	0.27	5.01E-01	5.60E-01
DYX1C1	-0.38	5.01E-01	5.60E-01
ATP10A	-0.16	5.01E-01	5.60E-01
ZNF385C	0.32	5.01E-01	5.61E-01
GNAS-AS1	0.40	5.02E-01	5.61E-01
RP11-774O3.3	-0.21	5.02E-01	5.61E-01
G10734	-0.33	5.02E-01	5.62E-01
SERPINA5	0.39	5.02E-01	5.62E-01
RP11-81H14.2	0.46	5.03E-01	5.62E-01
RNA5SP278	-0.93	5.03E-01	5.62E-01
RDM1	-0.55	5.03E-01	5.62E-01
RPL23AP25	-0.65	5.03E-01	5.62E-01
LINC01514	-0.34	5.03E-01	5.62E-01

MIR4520A	-0.48	5.03E-01	5.62E-01
GSTM2	-0.27	5.03E-01	5.62E-01
AC068831.3	0.64	5.04E-01	5.63E-01
LINC01271	0.72	5.04E-01	5.63E-01
AP001623.1	-0.32	5.04E-01	5.63E-01
HYDIN	0.29	5.04E-01	5.63E-01
RP11-333A23.4	-1.12	5.04E-01	5.63E-01
CITED1	0.56	5.04E-01	5.63E-01
PIANP	0.27	5.05E-01	5.64E-01
RPS26P47	0.56	5.05E-01	5.64E-01
UBE2Q2L	-0.37	5.05E-01	5.64E-01
ACTL6A	0.10	5.05E-01	5.64E-01
CTD-2619J13.9	-0.40	5.05E-01	5.64E-01
GHITM	0.10	5.05E-01	5.64E-01
LINC01285	-0.58	5.05E-01	5.64E-01
CENPL	-0.13	5.05E-01	5.65E-01
FAM71E1	0.26	5.06E-01	5.65E-01
IRX6	0.31	5.06E-01	5.65E-01
G17690	0.42	5.06E-01	5.65E-01
AF127577.8	-0.75	5.06E-01	5.65E-01
PLAC8	0.33	5.06E-01	5.65E-01
AC010894.3	0.51	5.06E-01	5.65E-01
ZNF48	0.11	5.06E-01	5.65E-01
ANO4	0.45	5.06E-01	5.65E-01
RPL23AP32	0.36	5.06E-01	5.65E-01
FAM72A	0.19	5.06E-01	5.65E-01
G8455	0.32	5.06E-01	5.65E-01
RP1-7G5.6	-0.30	5.06E-01	5.65E-01
PGBD2	-0.11	5.06E-01	5.65E-01
FRMPD4	-0.62	5.06E-01	5.65E-01
CBS	-0.58	5.06E-01	5.65E-01
SPIN2A	-0.43	5.06E-01	5.65E-01
TIMM10B	-0.08	5.06E-01	5.65E-01
RPS26P6	0.67	5.07E-01	5.66E-01
RAPGEFL1	0.13	5.07E-01	5.66E-01
RP11-120E11.2	0.36	5.07E-01	5.66E-01
POLR2J4	-0.18	5.07E-01	5.66E-01
NSG1	0.14	5.07E-01	5.66E-01
BRWD1-IT2	-0.25	5.07E-01	5.66E-01
MEMO1	-0.20	5.07E-01	5.66E-01
SLC13A3	0.17	5.07E-01	5.66E-01
PSMD14	-0.11	5.08E-01	5.66E-01
RP11-3K24.1	0.43	5.08E-01	5.67E-01
LINC01546	-0.33	5.08E-01	5.67E-01
PCCB	-0.13	5.08E-01	5.67E-01

RP11-20I23.10	0.42	5.08E-01	5.67E-01
CYP2U1	-0.14	5.08E-01	5.67E-01
RP11-429J17.2	0.30	5.08E-01	5.67E-01
C12orf4	-0.11	5.08E-01	5.67E-01
TMEM151B	-0.76	5.08E-01	5.67E-01
TCAF1P1	-0.14	5.08E-01	5.67E-01
GABBR1	0.21	5.09E-01	5.67E-01
STAMBP	0.06	5.09E-01	5.67E-01
SNRNP40	0.08	5.09E-01	5.68E-01
NBPF24	-0.26	5.09E-01	5.68E-01
BRMS1L	-0.09	5.09E-01	5.68E-01
CDC42BPG	0.13	5.09E-01	5.68E-01
BMS1P8	0.58	5.09E-01	5.68E-01
AC116366.6	-0.29	5.09E-01	5.68E-01
RP11-1348G14.1	-0.65	5.10E-01	5.69E-01
MRPS14	0.09	5.10E-01	5.69E-01
IFT122	0.07	5.10E-01	5.69E-01
PGAM5	0.10	5.11E-01	5.69E-01
RP11-464D20.2	-0.44	5.11E-01	5.69E-01
KIAA0513	0.12	5.11E-01	5.70E-01
CTD-2135D7.5	0.36	5.11E-01	5.70E-01
WWC3	-0.05	5.11E-01	5.70E-01
RP11-184A2.3	-0.33	5.11E-01	5.70E-01
G19448	-0.50	5.11E-01	5.70E-01
AC124944.3	0.52	5.11E-01	5.70E-01
RP11-174G17.3	0.56	5.11E-01	5.70E-01
RP11-429J17.5	-0.73	5.12E-01	5.70E-01
NBAT1	0.46	5.12E-01	5.70E-01
GRXCR2	-0.42	5.12E-01	5.70E-01
XLOC_001062	-0.68	5.12E-01	5.70E-01
MPRIP	0.07	5.12E-01	5.70E-01
ZNF702P	-0.21	5.12E-01	5.70E-01
BLK	-0.57	5.12E-01	5.71E-01
RP11-11N9.4	0.34	5.12E-01	5.71E-01
RP11-9N20.3	-0.64	5.12E-01	5.71E-01
RP11-481J2.2	0.39	5.12E-01	5.71E-01
HSD17B7	0.12	5.12E-01	5.71E-01
WBP1LP2	-0.47	5.13E-01	5.71E-01
ZNF646	0.08	5.13E-01	5.71E-01
RP11-1080G15.1	0.64	5.13E-01	5.71E-01
FAM86HP	-0.21	5.13E-01	5.72E-01
MEIG1	-0.56	5.13E-01	5.72E-01
AC069200.1	0.51	5.13E-01	5.72E-01
C18orf21	-0.10	5.13E-01	5.72E-01
RP11-253M7.6	-0.78	5.13E-01	5.72E-01

STOML3	-0.62	5.13E-01	5.72E-01
AF038458.3	-0.58	5.14E-01	5.72E-01
ZNF281	0.10	5.14E-01	5.72E-01
HS3ST3B1	0.18	5.14E-01	5.72E-01
AGBL5-IT1	-0.27	5.14E-01	5.73E-01
GLP2R	-0.79	5.14E-01	5.73E-01
LINC01474	0.75	5.14E-01	5.73E-01
LIPF	-0.89	5.15E-01	5.73E-01
CTD-3222D19.7	-0.23	5.15E-01	5.73E-01
RP11-80H18.4	-0.72	5.15E-01	5.73E-01
CTC-205M6.1	0.34	5.15E-01	5.73E-01
XLOC_013913	-0.63	5.15E-01	5.73E-01
ELANE	-0.46	5.15E-01	5.73E-01
G38630	0.61	5.15E-01	5.73E-01
ZNF695	0.54	5.15E-01	5.73E-01
MRPS36	-0.11	5.15E-01	5.74E-01
AC074289.1	0.23	5.15E-01	5.74E-01
G4573	-0.44	5.15E-01	5.74E-01
LILRB5	0.33	5.15E-01	5.74E-01
CDC42	-0.10	5.15E-01	5.74E-01
RP11-454P21.1	-0.66	5.16E-01	5.74E-01
RP11-167P11.2	-0.40	5.16E-01	5.74E-01
RHBDL2	0.14	5.16E-01	5.74E-01
OR7E14P	0.48	5.16E-01	5.74E-01
FLJ26850	0.53	5.16E-01	5.74E-01
TRAK1	-0.07	5.16E-01	5.74E-01
XLOC_002997	-0.41	5.16E-01	5.74E-01
RP1-101A2.1	-0.19	5.16E-01	5.74E-01
ERICH6-AS1	-0.32	5.16E-01	5.74E-01
LINC00885	-0.22	5.16E-01	5.74E-01
TVP23A	-0.23	5.17E-01	5.75E-01
RP11-415I12.3	0.40	5.17E-01	5.75E-01
CEP250	-0.09	5.17E-01	5.75E-01
TCTN3	-0.06	5.17E-01	5.75E-01
NANOGP9	0.62	5.17E-01	5.75E-01
AC018766.6	-0.49	5.17E-01	5.76E-01
DKFZP434A062	-0.55	5.17E-01	5.76E-01
BCRP3	0.57	5.17E-01	5.76E-01
DPYSL3	0.21	5.17E-01	5.76E-01
ADCY8	0.98	5.18E-01	5.76E-01
RP11-362F19.1	-0.59	5.18E-01	5.76E-01
RP11-74E22.8	-0.22	5.18E-01	5.76E-01
ARHGAP35	0.07	5.18E-01	5.76E-01
GS1-279B7.2	0.43	5.18E-01	5.76E-01
L3HYPDH	0.15	5.18E-01	5.76E-01

PRAME	0.93	5.18E-01	5.76E-01
TRIM69	0.14	5.19E-01	5.77E-01
RP11-184I16.3	-0.85	5.19E-01	5.77E-01
CLDN34	-0.60	5.19E-01	5.77E-01
LINC01353	0.47	5.19E-01	5.77E-01
XLOC_004988	0.61	5.19E-01	5.77E-01
LLPH-AS1	0.34	5.20E-01	5.78E-01
C3orf36	0.46	5.20E-01	5.78E-01
CDK3	0.47	5.20E-01	5.78E-01
RN7SL269P	0.60	5.20E-01	5.78E-01
RP11-106M3.2	0.47	5.20E-01	5.78E-01
SCIMP	0.32	5.20E-01	5.78E-01
CTD-2013N17.6	0.33	5.20E-01	5.78E-01
RP11-405M12.4	0.68	5.20E-01	5.78E-01
LINC01600	-0.52	5.20E-01	5.79E-01
ACTR10	-0.09	5.20E-01	5.79E-01
AKR1E2	-0.18	5.21E-01	5.79E-01
AC078899.4	-0.79	5.21E-01	5.79E-01
OR7D2	0.87	5.21E-01	5.79E-01
SERPINH1P1	-0.62	5.21E-01	5.79E-01
RP11-226L15.1	-0.74	5.21E-01	5.79E-01
CTC-204F22.1	-0.29	5.21E-01	5.79E-01
AC068669.1	-0.87	5.21E-01	5.79E-01
RP11-467D6.1	-0.16	5.21E-01	5.79E-01
EIF4A1	-0.23	5.21E-01	5.79E-01
G3016	-0.55	5.22E-01	5.80E-01
AGA	0.13	5.22E-01	5.80E-01
HSPE1P18	-0.67	5.22E-01	5.80E-01
GDI2	-0.10	5.22E-01	5.80E-01
SNAP23P	-0.65	5.23E-01	5.81E-01
PDP1	0.09	5.23E-01	5.81E-01
GHET1	-0.25	5.23E-01	5.81E-01
RNU6-204P	-0.54	5.23E-01	5.81E-01
RP11-1275H24.3	0.16	5.23E-01	5.81E-01
RNU1-122P	-0.40	5.23E-01	5.81E-01
G42780	-0.69	5.24E-01	5.82E-01
DUSP11	-0.07	5.24E-01	5.82E-01
RP11-17A4.2	-0.87	5.24E-01	5.82E-01
PANX1	0.11	5.24E-01	5.82E-01
MIR203	-0.25	5.24E-01	5.82E-01
IL2RB	-0.20	5.24E-01	5.82E-01
RP11-195F19.9	0.20	5.24E-01	5.82E-01
PPP1R3B	-0.11	5.24E-01	5.82E-01
G35913	0.40	5.24E-01	5.82E-01
C1orf100	-0.72	5.25E-01	5.82E-01

CTD-2306A12.1	-0.55	5.25E-01	5.82E-01
FOXN1	0.16	5.25E-01	5.83E-01
JMJD4	0.10	5.25E-01	5.83E-01
CTD-2621I17.3	-0.33	5.25E-01	5.83E-01
RP11-831H9.3	-0.86	5.25E-01	5.83E-01
XLOC_002951	-0.47	5.25E-01	5.83E-01
ANO2	0.22	5.25E-01	5.83E-01
BSCL2	-0.18	5.26E-01	5.84E-01
GS1-57L11.1	0.57	5.26E-01	5.84E-01
DPRXP4	0.30	5.26E-01	5.84E-01
XLOC_013461	-0.27	5.26E-01	5.84E-01
RHBDL3	-0.23	5.26E-01	5.84E-01
AC008063.2	0.59	5.26E-01	5.84E-01
SEMA3B-AS1	0.47	5.26E-01	5.84E-01
RP11-226L15.5	-0.13	5.27E-01	5.85E-01
AKR1C7P	-0.69	5.27E-01	5.85E-01
SLC9A7P1	0.40	5.27E-01	5.85E-01
RPS12	0.12	5.27E-01	5.85E-01
RP11-589C21.6	0.71	5.27E-01	5.85E-01
ESRRG	0.34	5.27E-01	5.85E-01
KCNK1	-0.10	5.27E-01	5.85E-01
TULP2	0.44	5.28E-01	5.85E-01
RP11-439A17.7	-0.41	5.28E-01	5.85E-01
RN7SL444P	-0.53	5.28E-01	5.85E-01
TRAPPC2P1	0.12	5.28E-01	5.86E-01
PHEX	-0.21	5.28E-01	5.86E-01
RP11-57H14.2	-0.67	5.28E-01	5.86E-01
RP11-59H7.4	-0.48	5.29E-01	5.87E-01
SPIB	0.52	5.29E-01	5.87E-01
PRKCE	0.10	5.29E-01	5.87E-01
RNF150	0.21	5.29E-01	5.87E-01
PDCL	-0.09	5.29E-01	5.87E-01
MS4A2	-0.29	5.29E-01	5.87E-01
KRT23	-0.16	5.30E-01	5.88E-01
COL6A6	0.37	5.30E-01	5.88E-01
CHP1	-0.09	5.30E-01	5.88E-01
RP11-483L5.1	-0.24	5.30E-01	5.88E-01
AC097523.1	-0.45	5.30E-01	5.88E-01
KLHL20	-0.06	5.30E-01	5.88E-01
RP11-834C11.7	0.44	5.30E-01	5.88E-01
C1orf127	0.50	5.30E-01	5.88E-01
RP4-545L17.11	-0.53	5.30E-01	5.88E-01
CACYBP	0.10	5.30E-01	5.88E-01
EARS2	-0.08	5.31E-01	5.88E-01
FTCDNL1	-0.16	5.31E-01	5.88E-01

Gene	Value	P1	P2
JAKMIP1	0.48	5.31E-01	5.88E-01
EME2	0.20	5.31E-01	5.88E-01
TDRD9	0.43	5.31E-01	5.88E-01
RP11-736N17.10	0.55	5.31E-01	5.88E-01
COPS2	-0.09	5.31E-01	5.88E-01
ESRRB	0.58	5.31E-01	5.89E-01
CHRM3-AS2	-0.77	5.31E-01	5.89E-01
LINC01117	-0.30	5.32E-01	5.89E-01
SSPO	-0.28	5.32E-01	5.89E-01
RP11-360L9.4	-0.55	5.32E-01	5.90E-01
FBP1	-0.48	5.32E-01	5.90E-01
ATP6V1G2	0.45	5.32E-01	5.90E-01
RP11-132A1.4	0.27	5.32E-01	5.90E-01
RP11-64D24.4	-0.61	5.33E-01	5.90E-01
AC091153.4	-0.61	5.33E-01	5.90E-01
RP11-51F16.9	0.26	5.33E-01	5.90E-01
DNAJB9	-0.12	5.33E-01	5.90E-01
DNAJC22	0.23	5.33E-01	5.90E-01
XLOC_011798	-0.50	5.33E-01	5.90E-01
RPL21P122	0.44	5.33E-01	5.90E-01
ARSK	-0.11	5.33E-01	5.90E-01
RP11-435B5.5	-0.39	5.33E-01	5.91E-01
RP11-566K19.6	0.57	5.33E-01	5.91E-01
TTI1	-0.07	5.34E-01	5.91E-01
AC011625.1	-0.85	5.34E-01	5.91E-01
DLGAP5	0.17	5.34E-01	5.91E-01
FGD5P1	0.23	5.34E-01	5.91E-01
SLC16A11	0.20	5.34E-01	5.92E-01
GTSF1	0.52	5.34E-01	5.92E-01
LPIN1	-0.24	5.34E-01	5.92E-01
AL023583.1	-0.84	5.34E-01	5.92E-01
ACTC1	-0.41	5.35E-01	5.92E-01
TMEM234	-0.13	5.35E-01	5.92E-01
PSMD11	0.07	5.35E-01	5.93E-01
RPRM	0.40	5.35E-01	5.93E-01
CTD-2194D22.4	-0.46	5.35E-01	5.93E-01
C2CD4D	-0.19	5.35E-01	5.93E-01
GATA3-AS1	-0.37	5.36E-01	5.93E-01
RP11-323I15.3	0.53	5.36E-01	5.93E-01
IRAK3	-0.20	5.36E-01	5.94E-01
G35948	-0.28	5.36E-01	5.94E-01
G28051	-0.48	5.36E-01	5.94E-01
M1AP	0.40	5.36E-01	5.94E-01
RP11-93B14.10	0.28	5.37E-01	5.94E-01
RP11-720L2.2	-0.45	5.37E-01	5.94E-01

LHFPL3	0.43	5.37E-01	5.94E-01
PCDH19	0.23	5.37E-01	5.94E-01
MAP1LC3C	-0.44	5.37E-01	5.95E-01
AK4P1	-0.43	5.37E-01	5.95E-01
GPA33	-0.49	5.37E-01	5.95E-01
CAND2	0.17	5.38E-01	5.95E-01
SNORD88	-0.61	5.38E-01	5.95E-01
SETD3	-0.07	5.38E-01	5.95E-01
C8orf89	-0.48	5.38E-01	5.95E-01
TM4SF19	0.47	5.38E-01	5.95E-01
PPIAP19	0.67	5.38E-01	5.96E-01
SYTL3	0.15	5.38E-01	5.96E-01
RP11-68I3.10	-0.65	5.38E-01	5.96E-01
RP11-219E7.1	-0.40	5.38E-01	5.96E-01
G4330	-0.30	5.39E-01	5.96E-01
RP11-156K13.1	0.48	5.39E-01	5.96E-01
TRPS1	-0.14	5.39E-01	5.96E-01
AC114271.2	-0.61	5.39E-01	5.96E-01
LINC01123	-0.30	5.39E-01	5.96E-01
PAQR6	0.25	5.39E-01	5.97E-01
CLEC4A	-0.21	5.39E-01	5.97E-01
RNF5P1	0.69	5.39E-01	5.97E-01
DLL3	0.86	5.40E-01	5.97E-01
ZSWIM7	-0.08	5.40E-01	5.97E-01
RN7SL637P	-0.45	5.40E-01	5.98E-01
AC015849.16	-0.63	5.40E-01	5.98E-01
FANK1	-0.13	5.40E-01	5.98E-01
SPSB4	-0.42	5.41E-01	5.98E-01
AC004980.7	-0.21	5.41E-01	5.98E-01
FCHO1	-0.12	5.41E-01	5.98E-01
LYVE1	0.30	5.41E-01	5.99E-01
CTD-2145A24.4	-0.59	5.41E-01	5.99E-01
FAM149A	-0.18	5.42E-01	5.99E-01
ZSCAN12P1	-0.23	5.42E-01	5.99E-01
POLA2	-0.07	5.42E-01	6.00E-01
XYLB	-0.16	5.43E-01	6.00E-01
RP11-22B23.2	-0.51	5.43E-01	6.00E-01
KCTD9P2	0.51	5.43E-01	6.00E-01
RP3-500L14.2	-0.31	5.43E-01	6.00E-01
GLIPR1L2	0.24	5.43E-01	6.00E-01
TOP3A	0.07	5.43E-01	6.00E-01
SLC25A14	0.09	5.43E-01	6.00E-01
G24769	-0.73	5.43E-01	6.01E-01
SCT	0.53	5.43E-01	6.01E-01
ZNF30	-0.12	5.43E-01	6.01E-01

ACSM1	-0.27	5.43E-01	6.01E-01
G39215	-0.23	5.44E-01	6.01E-01
TAF1A-AS1	-0.44	5.44E-01	6.01E-01
RAB9A	-0.10	5.44E-01	6.01E-01
SULT1C2	0.50	5.44E-01	6.01E-01
RP11-848P1.2	-0.19	5.44E-01	6.02E-01
COX5BP6	-0.30	5.44E-01	6.02E-01
RP11-338K13.1	0.49	5.45E-01	6.02E-01
CTC-523E23.1	0.24	5.45E-01	6.02E-01
RRAGD	-0.07	5.45E-01	6.02E-01
RP11-561O23.9	0.54	5.46E-01	6.03E-01
SERBP1P1	-0.38	5.46E-01	6.03E-01
GTSE1-AS1	0.21	5.46E-01	6.04E-01
KDM4D	-0.12	5.47E-01	6.04E-01
TTC16	-0.39	5.47E-01	6.04E-01
ZNF826P	0.20	5.47E-01	6.05E-01
AC079776.1	0.49	5.47E-01	6.05E-01
CASC4	0.12	5.47E-01	6.05E-01
AC139530.1	-0.46	5.48E-01	6.05E-01
CABYR	-0.17	5.48E-01	6.05E-01
GS1-44D20.1	-0.65	5.48E-01	6.05E-01
FBXL22	0.16	5.48E-01	6.05E-01
IRF9	0.24	5.48E-01	6.05E-01
CCDC169	-0.36	5.48E-01	6.05E-01
ASIC4	-0.34	5.48E-01	6.05E-01
ADORA2B	0.09	5.48E-01	6.06E-01
CDK5RAP1	0.06	5.48E-01	6.06E-01
RP11-324D17.2	0.65	5.49E-01	6.06E-01
RP11-378A13.1	-0.11	5.49E-01	6.06E-01
RP11-533O20.2	-0.54	5.49E-01	6.06E-01
MAP3K13	0.06	5.49E-01	6.06E-01
IVNS1ABP	0.08	5.49E-01	6.06E-01
XLOC_007697	-0.72	5.49E-01	6.06E-01
GTF2H2	-0.28	5.50E-01	6.07E-01
RP5-890O3.9	-0.19	5.50E-01	6.07E-01
GPR83	-0.48	5.50E-01	6.07E-01
PPOX	-0.14	5.50E-01	6.08E-01
RP11-350G8.5	0.32	5.50E-01	6.08E-01
RNU6-242P	-0.38	5.51E-01	6.08E-01
AD000864.6	-0.64	5.51E-01	6.08E-01
CTC-497E21.3	-0.23	5.51E-01	6.08E-01
Z83851.4	0.23	5.51E-01	6.08E-01
RASL10A	0.29	5.51E-01	6.09E-01
HCG9	-0.76	5.52E-01	6.09E-01
CTD-2184D3.5	-0.28	5.52E-01	6.09E-01

RP11-51B23.3	-0.71	5.52E-01	6.09E-01
CCDC177	0.58	5.52E-01	6.09E-01
IGKV3-11	1.02	5.52E-01	6.09E-01
CMB9-55F22.1	0.24	5.52E-01	6.09E-01
FAM219B	0.10	5.53E-01	6.10E-01
RP11-563N4.1	0.41	5.53E-01	6.10E-01
AC006946.15	-0.69	5.53E-01	6.10E-01
RP4-758J18.13	-0.17	5.53E-01	6.10E-01
ARHGAP8	-0.34	5.53E-01	6.10E-01
XLOC_003400	-0.56	5.53E-01	6.10E-01
AC009950.2	0.24	5.53E-01	6.10E-01
RP11-360F5.1	0.46	5.53E-01	6.10E-01
GPR12	0.44	5.53E-01	6.10E-01
PRSS12	-0.12	5.53E-01	6.10E-01
XLOC_014103	-0.18	5.53E-01	6.10E-01
ITM2A	0.21	5.53E-01	6.10E-01
RP11-638I2.9	-0.56	5.54E-01	6.11E-01
G12993	-0.32	5.54E-01	6.11E-01
MZT2B	-0.10	5.54E-01	6.11E-01
LINC00319	-0.46	5.54E-01	6.11E-01
CD27	-0.33	5.54E-01	6.11E-01
AC019117.2	0.37	5.54E-01	6.11E-01
AC091729.7	-0.30	5.54E-01	6.11E-01
CTA-293F17.1	-0.19	5.55E-01	6.11E-01
ATP5E	0.09	5.55E-01	6.11E-01
SGCD	-0.18	5.55E-01	6.12E-01
G34396	-0.61	5.55E-01	6.12E-01
CTB-129P6.11	-0.42	5.55E-01	6.12E-01
G33828	0.40	5.55E-01	6.12E-01
RP11-855A2.3	-0.29	5.55E-01	6.12E-01
TBRG1	0.08	5.55E-01	6.12E-01
TESPA1	-0.26	5.55E-01	6.12E-01
SLC2A4	0.23	5.55E-01	6.12E-01
PLS3	-0.09	5.55E-01	6.12E-01
IDO1	0.35	5.55E-01	6.12E-01
FAM86DP	0.24	5.55E-01	6.12E-01
ITSN1	0.11	5.55E-01	6.12E-01
IGLC3	0.90	5.56E-01	6.12E-01
G19572	0.62	5.56E-01	6.12E-01
STAU2	-0.08	5.56E-01	6.12E-01
LINC01410	0.29	5.56E-01	6.13E-01
AC138393.1	0.53	5.56E-01	6.13E-01
TNFSF15	-0.17	5.56E-01	6.13E-01
STK40	-0.08	5.56E-01	6.13E-01
RP11-674P19.2	0.69	5.56E-01	6.13E-01

TNFRSF11A	-0.11	5.57E-01	6.13E-01
TG	-0.23	5.57E-01	6.14E-01
RAC1P2	0.18	5.57E-01	6.14E-01
PSPC1P1	-0.61	5.57E-01	6.14E-01
CTD-2514C3.1	0.38	5.57E-01	6.14E-01
ERICH2	0.34	5.57E-01	6.14E-01
ADD2	-0.20	5.58E-01	6.15E-01
RBMS2P1	0.42	5.58E-01	6.15E-01
RP11-110L15.2	-0.70	5.58E-01	6.15E-01
PEBP4	0.41	5.58E-01	6.15E-01
RP11-265E18.1	-0.71	5.58E-01	6.15E-01
G14979	-0.39	5.58E-01	6.15E-01
LINC00324	0.10	5.58E-01	6.15E-01
PPP2R2D	0.04	5.59E-01	6.15E-01
RP11-154F14.2	-0.44	5.59E-01	6.15E-01
GRB14	0.41	5.59E-01	6.16E-01
FAM86B2	-0.45	5.60E-01	6.17E-01
MFSD6L	-0.31	5.60E-01	6.17E-01
LINC01133	-0.12	5.61E-01	6.17E-01
AC084219.4	-0.51	5.61E-01	6.17E-01
AC098823.3	-0.39	5.61E-01	6.17E-01
HMGN1P15	0.48	5.61E-01	6.17E-01
RP11-351J23.1	0.78	5.61E-01	6.17E-01
RP11-548P2.2	-0.45	5.61E-01	6.18E-01
RP4-568B10.1	-0.73	5.61E-01	6.18E-01
RP11-66N24.3	-0.32	5.62E-01	6.18E-01
PEX2	-0.07	5.62E-01	6.18E-01
CTD-3138B18.5	-0.14	5.62E-01	6.18E-01
AC013444.1	-0.74	5.62E-01	6.19E-01
ZFHX3	0.11	5.62E-01	6.19E-01
POC5	0.07	5.62E-01	6.19E-01
ENOX1-AS1	-0.57	5.62E-01	6.19E-01
3-Mar	-0.12	5.62E-01	6.19E-01
AC008073.7	-0.55	5.62E-01	6.19E-01
TMSB4Y	-0.14	5.62E-01	6.19E-01
PDPR	0.13	5.63E-01	6.19E-01
G30963	0.58	5.63E-01	6.19E-01
RPL21P135	-0.37	5.63E-01	6.19E-01
RP11-265N7.1	0.49	5.63E-01	6.20E-01
DNAAF3	0.24	5.63E-01	6.20E-01
HNRNPLL	-0.07	5.63E-01	6.20E-01
GMEB1	-0.06	5.63E-01	6.20E-01
ELN	0.25	5.63E-01	6.20E-01
HSPB11	0.07	5.64E-01	6.20E-01
RP11-23J18.1	0.61	5.64E-01	6.20E-01

EIF4A1P10	-0.23	5.64E-01	6.20E-01
RP11-90P13.1	0.97	5.64E-01	6.20E-01
HR	0.14	5.64E-01	6.21E-01
IGHV3-9	0.89	5.64E-01	6.21E-01
ZFP2	-0.13	5.64E-01	6.21E-01
DDR2	-0.21	5.65E-01	6.21E-01
CTC-260F20.3	0.54	5.65E-01	6.21E-01
C3orf70	-0.11	5.65E-01	6.22E-01
RP11-94C24.6	0.35	5.66E-01	6.22E-01
CTC-471J1.9	-0.46	5.66E-01	6.22E-01
RPS28P7	0.29	5.66E-01	6.22E-01
RP3-414A15.11	-0.38	5.66E-01	6.22E-01
UBE2T	0.12	5.66E-01	6.22E-01
HHIPL2	-0.66	5.66E-01	6.22E-01
HPGD	0.18	5.66E-01	6.22E-01
LIPJ	-0.24	5.66E-01	6.22E-01
G7052	0.51	5.66E-01	6.22E-01
PIGM	-0.05	5.66E-01	6.22E-01
POLG2	0.13	5.66E-01	6.22E-01
XIRP2	-0.60	5.66E-01	6.22E-01
PCDHGA1	0.22	5.66E-01	6.22E-01
BNIP3P1	0.47	5.66E-01	6.22E-01
RP11-539L10.3	-0.28	5.66E-01	6.22E-01
ABCB5	-0.37	5.66E-01	6.22E-01
CNTNAP3P1	-0.61	5.66E-01	6.23E-01
AP001925.1	-0.55	5.67E-01	6.23E-01
RP11-196G11.2	-0.36	5.67E-01	6.23E-01
STX12	0.08	5.67E-01	6.23E-01
OR7E28P	-0.42	5.67E-01	6.23E-01
TMEM159	-0.09	5.67E-01	6.23E-01
CLMN	-0.16	5.67E-01	6.23E-01
COL4A2-AS2	-0.68	5.67E-01	6.23E-01
CYP2D7	0.26	5.67E-01	6.24E-01
NAP1L6	-0.42	5.67E-01	6.24E-01
SNX29P2	1.02	5.68E-01	6.24E-01
AC032027.1	-0.47	5.68E-01	6.24E-01
RN7SL452P	-0.53	5.68E-01	6.24E-01
RAET1E	0.15	5.68E-01	6.24E-01
ECHDC2	0.16	5.68E-01	6.24E-01
CLEC2D	-0.19	5.68E-01	6.24E-01
CTC-1337H24.4	0.39	5.68E-01	6.24E-01
CTD-2081C10.7	-0.26	5.68E-01	6.24E-01
PRIMA1	-0.17	5.69E-01	6.25E-01
G20694	-0.36	5.69E-01	6.25E-01
IQCH-AS1	-0.11	5.69E-01	6.25E-01

RP11-762L8.6	0.31	5.69E-01	6.25E-01
ZNF792	0.11	5.69E-01	6.25E-01
EPHB3	0.10	5.70E-01	6.26E-01
G26738	-0.55	5.70E-01	6.26E-01
RP11-307B6.3	-0.57	5.70E-01	6.26E-01
ABHD17B	-0.12	5.70E-01	6.26E-01
AC133785.1	0.24	5.70E-01	6.26E-01
RP11-732A19.6	-0.76	5.70E-01	6.26E-01
CTD-2331H12.5	-0.22	5.70E-01	6.26E-01
RP5-1171I10.5	0.31	5.70E-01	6.26E-01
CALML6	-0.42	5.71E-01	6.26E-01
LRRC37A3	0.17	5.71E-01	6.26E-01
CHCHD2P9	-0.36	5.71E-01	6.26E-01
MAST1	-0.15	5.71E-01	6.27E-01
RPL23A	-0.10	5.71E-01	6.27E-01
BTBD11	-0.09	5.71E-01	6.27E-01
G42800	0.49	5.71E-01	6.27E-01
B3GALT1	-0.51	5.71E-01	6.27E-01
G5901	-0.33	5.71E-01	6.27E-01
RP11-572M11.4	0.37	5.71E-01	6.27E-01
RP11-635L1.2	-0.29	5.71E-01	6.27E-01
AC005498.3	-0.37	5.71E-01	6.27E-01
BNIPL	-0.11	5.72E-01	6.27E-01
PMFBP1	-0.27	5.72E-01	6.27E-01
UBE3B	-0.05	5.72E-01	6.27E-01
F2R	0.11	5.72E-01	6.27E-01
CACNA1C-AS2	-0.54	5.72E-01	6.27E-01
ANKRA2	-0.07	5.72E-01	6.28E-01
KRT8P15	-0.49	5.72E-01	6.28E-01
AAK1	0.09	5.72E-01	6.28E-01
RP11-111E14.1	0.25	5.72E-01	6.28E-01
CTB-25B13.5	-0.17	5.73E-01	6.28E-01
BEGAIN	0.17	5.73E-01	6.29E-01
RP11-270M14.1	0.49	5.73E-01	6.29E-01
AC004471.10	0.38	5.73E-01	6.29E-01
UCP3	-0.21	5.74E-01	6.29E-01
LINC01320	-0.53	5.74E-01	6.29E-01
NEBL-AS1	0.20	5.74E-01	6.29E-01
QRICH1	0.05	5.74E-01	6.29E-01
XLOC_013968	-0.33	5.74E-01	6.29E-01
G5385	0.40	5.74E-01	6.30E-01
A2ML1	0.18	5.74E-01	6.30E-01
RGAG1	-0.53	5.74E-01	6.30E-01
GADL1	-0.64	5.74E-01	6.30E-01
SCGB2A2	0.83	5.74E-01	6.30E-01

OR2W3	0.50	5.75E-01	6.30E-01
KCNQ5	0.31	5.75E-01	6.30E-01
UNG	0.10	5.75E-01	6.30E-01
RP11-356B19.11	-0.26	5.75E-01	6.30E-01
FAM182A	0.24	5.75E-01	6.31E-01
RP11-379B8.1	-0.33	5.75E-01	6.31E-01
TMEM218	-0.10	5.75E-01	6.31E-01
NAT2	-0.71	5.76E-01	6.31E-01
INHBC	0.55	5.76E-01	6.31E-01
EZH2	0.09	5.76E-01	6.32E-01
CASP1	0.11	5.76E-01	6.32E-01
TMEM39A	0.06	5.77E-01	6.32E-01
ANKRD20A10P	-0.68	5.77E-01	6.32E-01
G356	-0.42	5.77E-01	6.32E-01
CCDC189	0.43	5.77E-01	6.32E-01
ACCS	-0.19	5.77E-01	6.32E-01
RP11-927P21.8	0.62	5.77E-01	6.32E-01
RP11-1000B6.3	-0.26	5.77E-01	6.33E-01
RP11-68I3.4	-0.43	5.77E-01	6.33E-01
AC000403.4	0.21	5.77E-01	6.33E-01
G26459	0.24	5.78E-01	6.33E-01
HERC2P5	0.72	5.78E-01	6.34E-01
ROPN1	0.41	5.78E-01	6.34E-01
TRERF1	0.07	5.78E-01	6.34E-01
RP11-62H7.2	0.48	5.79E-01	6.34E-01
IL27	0.60	5.79E-01	6.34E-01
B3GALNT1P1	-0.31	5.79E-01	6.34E-01
C11orf91	0.39	5.79E-01	6.34E-01
PTPRD	-0.25	5.79E-01	6.34E-01
RN7SL695P	0.52	5.79E-01	6.34E-01
RP4-647C14.2	0.16	5.79E-01	6.34E-01
PI4KA	0.08	5.79E-01	6.35E-01
HCG16	0.53	5.79E-01	6.35E-01
VWC2	-0.21	5.79E-01	6.35E-01
MFSD2B	0.25	5.80E-01	6.35E-01
AC010492.2	0.64	5.80E-01	6.35E-01
ZFP90	0.07	5.80E-01	6.36E-01
RP11-488L18.10	-0.15	5.81E-01	6.36E-01
MST1P2	0.27	5.81E-01	6.36E-01
CHD4	0.05	5.81E-01	6.36E-01
RP11-307E17.8	-0.37	5.81E-01	6.37E-01
ADAD2	-0.21	5.81E-01	6.37E-01
LRRC6	0.12	5.82E-01	6.37E-01
TNN	0.41	5.82E-01	6.37E-01
HEPACAM2	0.52	5.82E-01	6.38E-01

G10706	-0.55	5.82E-01	6.38E-01
HOXD3	0.27	5.83E-01	6.38E-01
ERO1A	0.10	5.83E-01	6.38E-01
LL22NC03-2H8.4	0.41	5.83E-01	6.38E-01
LUCAT1	0.29	5.83E-01	6.38E-01
GOLGA5	0.08	5.83E-01	6.39E-01
METTL21A	0.11	5.83E-01	6.39E-01
RP11-495P10.9	0.51	5.84E-01	6.39E-01
LINC00936	0.13	5.84E-01	6.40E-01
ALKBH5	0.06	5.85E-01	6.40E-01
CTD-2562J17.6	0.11	5.85E-01	6.40E-01
B2M	0.12	5.85E-01	6.40E-01
RP4-635E18.6	0.45	5.85E-01	6.40E-01
CBX3P7	0.39	5.85E-01	6.40E-01
G26894	-0.40	5.85E-01	6.41E-01
G5756	0.59	5.85E-01	6.41E-01
MICE	-0.29	5.85E-01	6.41E-01
MIR5695	0.57	5.86E-01	6.41E-01
NUMA1	0.06	5.86E-01	6.41E-01
RP5-1021I20.1	0.24	5.86E-01	6.41E-01
RP11-1035H13.2	-0.57	5.86E-01	6.41E-01
RN7SL417P	-0.74	5.86E-01	6.41E-01
AQP8	0.52	5.86E-01	6.41E-01
AMHR2	0.76	5.86E-01	6.41E-01
TCEB1P21	-0.74	5.87E-01	6.42E-01
RP11-706O15.7	0.92	5.87E-01	6.42E-01
EME1	-0.18	5.87E-01	6.42E-01
PLA2G2F	0.15	5.88E-01	6.43E-01
RBM47	0.10	5.88E-01	6.43E-01
UVRAG	0.05	5.88E-01	6.43E-01
RP11-750H9.7	0.36	5.88E-01	6.43E-01
LINC01124	-0.22	5.88E-01	6.43E-01
KRT3	0.35	5.88E-01	6.43E-01
RP11-483E17.1	-0.76	5.88E-01	6.43E-01
RP11-83N9.6	-0.29	5.88E-01	6.43E-01
SLC25A53	0.11	5.88E-01	6.43E-01
SLC14A2	0.29	5.88E-01	6.43E-01
G24400	0.27	5.88E-01	6.43E-01
PRKAR2B	0.16	5.88E-01	6.43E-01
RP11-96C23.12	0.22	5.88E-01	6.43E-01
CTD-2517M22.14	0.30	5.89E-01	6.44E-01
AC002044.1	0.36	5.89E-01	6.44E-01
RP11-550I24.2	-0.26	5.89E-01	6.44E-01
TCEAL2	0.35	5.89E-01	6.44E-01
RP11-398C13.6	-0.16	5.89E-01	6.44E-01

RPL21P119	-0.35	5.89E-01	6.44E-01
SLC17A5	-0.08	5.89E-01	6.44E-01
RP5-1157M23.2	0.31	5.89E-01	6.44E-01
SCN1A	0.66	5.90E-01	6.44E-01
AC079210.1	-0.28	5.90E-01	6.44E-01
CTC-441N14.4	-0.68	5.90E-01	6.44E-01
G30718	-0.82	5.90E-01	6.44E-01
PRSS53	-0.26	5.90E-01	6.45E-01
RP11-1029J19.5	0.50	5.90E-01	6.45E-01
TVP23B	0.09	5.90E-01	6.45E-01
FTCD	0.47	5.90E-01	6.45E-01
RP11-475I24.3	-0.23	5.90E-01	6.45E-01
RN7SL200P	-0.42	5.91E-01	6.45E-01
PLA2G12AP1	0.29	5.91E-01	6.46E-01
CFB	0.25	5.91E-01	6.46E-01
G19624	-0.42	5.91E-01	6.46E-01
GATA6-AS1	0.59	5.91E-01	6.46E-01
MR1	0.06	5.92E-01	6.46E-01
TMEM5	0.07	5.92E-01	6.46E-01
RP11-677M14.5	0.32	5.92E-01	6.46E-01
DCP1A	-0.05	5.92E-01	6.47E-01
LINC01001	-0.33	5.92E-01	6.47E-01
CD40LG	0.31	5.92E-01	6.47E-01
MIR4668	-0.53	5.92E-01	6.47E-01
RP11-422P24.11	-0.16	5.92E-01	6.47E-01
AC002456.2	0.51	5.93E-01	6.47E-01
TAMM41	-0.11	5.93E-01	6.47E-01
NDUFA2	0.09	5.93E-01	6.47E-01
AC073133.1	-0.67	5.93E-01	6.47E-01
GPR89A	-0.10	5.93E-01	6.47E-01
SBSPON	0.16	5.93E-01	6.47E-01
AKNAD1	-0.19	5.93E-01	6.48E-01
RP13-638C3.6	0.30	5.93E-01	6.48E-01
RPL18AP7	-0.41	5.93E-01	6.48E-01
AMTN	0.59	5.93E-01	6.48E-01
TFAP2B	-0.11	5.93E-01	6.48E-01
GPR132	-0.19	5.94E-01	6.48E-01
CTD-2207P18.1	-0.58	5.94E-01	6.48E-01
RP11-155D18.13	0.31	5.94E-01	6.48E-01
KRT18P61	-0.33	5.94E-01	6.49E-01
RP11-445P17.8	-0.58	5.94E-01	6.49E-01
AP001372.2	0.09	5.95E-01	6.49E-01
YBX2	-0.24	5.95E-01	6.49E-01
RP11-390P24.1	0.17	5.95E-01	6.49E-01
RP1-120G22.11	0.52	5.95E-01	6.50E-01

RP11-539G18.3	0.41	5.96E-01	6.50E-01
RP11-598D12.4	-0.86	5.96E-01	6.50E-01
RP11-321G12.1	-0.35	5.96E-01	6.50E-01
ACBD3	-0.07	5.96E-01	6.50E-01
RP11-1007O24.2	-0.28	5.96E-01	6.50E-01
TSHZ2	0.12	5.96E-01	6.50E-01
RP11-254F19.4	-0.53	5.96E-01	6.51E-01
RP3-483K16.4	-0.56	5.96E-01	6.51E-01
MRPL38	0.18	5.96E-01	6.51E-01
PDIA3P2	-0.36	5.97E-01	6.51E-01
BEST1	0.16	5.97E-01	6.51E-01
SMIM4	0.07	5.97E-01	6.51E-01
G43078	0.48	5.97E-01	6.51E-01
TCHH	-0.70	5.97E-01	6.51E-01
CTD-2020K17.3	0.54	5.97E-01	6.51E-01
POGZ	0.08	5.97E-01	6.51E-01
G40185	-0.66	5.97E-01	6.52E-01
CCDC158	0.29	5.97E-01	6.52E-01
RP11-395C3.1	-0.31	5.98E-01	6.52E-01
VPS29	0.07	5.98E-01	6.52E-01
RP11-399B17.1	0.20	5.98E-01	6.52E-01
CTD-2062F14.3	-0.65	5.98E-01	6.52E-01
RP11-39H3.2	-0.62	5.98E-01	6.53E-01
CTD-2017C7.2	0.20	5.99E-01	6.53E-01
RP11-524F11.1	-0.32	5.99E-01	6.53E-01
AC003986.5	0.60	5.99E-01	6.53E-01
RP11-30K9.5	-0.52	5.99E-01	6.53E-01
RP11-543C4.1	-0.21	5.99E-01	6.53E-01
ARSI	0.16	5.99E-01	6.53E-01
RP11-128P10.1	-0.54	5.99E-01	6.54E-01
ANXA13	0.32	6.00E-01	6.54E-01
RP11-6N17.2	-0.49	6.00E-01	6.54E-01
7-Sep	0.08	6.00E-01	6.54E-01
SUCLA2-AS1	-0.35	6.00E-01	6.54E-01
VPS4A	0.05	6.00E-01	6.54E-01
RP11-170K4.2	-0.26	6.00E-01	6.54E-01
FAM25C	-0.35	6.00E-01	6.54E-01
KIF5A	0.34	6.00E-01	6.55E-01
RP11-549J18.1	-0.16	6.01E-01	6.55E-01
CCDC26	-0.67	6.01E-01	6.55E-01
AF001548.6	-0.69	6.01E-01	6.55E-01
PPP2R3C	0.07	6.01E-01	6.55E-01
LINC01234	-0.68	6.01E-01	6.55E-01
KLHL40	-0.55	6.02E-01	6.56E-01
AGTR1	-0.27	6.02E-01	6.56E-01

TRMT1L	0.07	6.02E-01	6.56E-01
MYO5C	-0.16	6.02E-01	6.56E-01
CTD-2083E4.6	0.32	6.02E-01	6.56E-01
10-Mar	-0.48	6.02E-01	6.56E-01
RP11-1250I15.3	0.29	6.02E-01	6.56E-01
SAMD3	0.24	6.03E-01	6.57E-01
WWC1	-0.09	6.03E-01	6.57E-01
RP5-968P14.2	0.16	6.03E-01	6.57E-01
CRISP3	0.60	6.03E-01	6.57E-01
NEDD4L	0.14	6.03E-01	6.57E-01
FOXO6	0.17	6.03E-01	6.57E-01
LINC00665	0.10	6.03E-01	6.57E-01
AC128709.3	-0.43	6.03E-01	6.57E-01
RP11-707G14.8	-0.49	6.03E-01	6.57E-01
NLRC3	-0.13	6.04E-01	6.57E-01
LINC00964	0.21	6.04E-01	6.57E-01
TMED2	-0.07	6.04E-01	6.58E-01
AAMDC	-0.10	6.04E-01	6.58E-01
ING5	0.08	6.04E-01	6.58E-01
INO80C	-0.07	6.04E-01	6.58E-01
CDKN1B	0.07	6.04E-01	6.58E-01
XPNPEP2	0.26	6.04E-01	6.58E-01
AC025165.8	0.46	6.04E-01	6.58E-01
AL353671.4	0.30	6.05E-01	6.59E-01
PTOV1-AS2	-0.24	6.05E-01	6.59E-01
ALS2CL	-0.16	6.05E-01	6.59E-01
DNM1P46	0.32	6.05E-01	6.59E-01
RN7SL130P	-0.28	6.05E-01	6.59E-01
G5173	-0.57	6.05E-01	6.59E-01
MDFIC	0.10	6.05E-01	6.59E-01
LINC00243	0.30	6.05E-01	6.59E-01
GJC3	-0.20	6.06E-01	6.60E-01
RNU6-353P	-0.37	6.06E-01	6.60E-01
RP5-1024N4.5	-0.46	6.06E-01	6.60E-01
CHCHD7	0.07	6.06E-01	6.60E-01
RP3-406A7.7	-0.17	6.06E-01	6.60E-01
RP4-616B8.5	-0.30	6.06E-01	6.60E-01
KIZ	0.07	6.06E-01	6.60E-01
RN7SL409P	-0.50	6.07E-01	6.60E-01
FOXD3	-0.28	6.07E-01	6.60E-01
KRT81	-0.84	6.07E-01	6.61E-01
CYP4F23P	-0.39	6.07E-01	6.61E-01
RP11-762B21.5	-0.68	6.07E-01	6.61E-01
TRGC1	0.38	6.08E-01	6.61E-01
TTLL5	0.06	6.08E-01	6.62E-01

ZNF660	-0.17	6.08E-01	6.62E-01
RP11-862P13.1	0.31	6.08E-01	6.62E-01
AC011475.1	-0.47	6.08E-01	6.62E-01
HSPA9	0.07	6.08E-01	6.62E-01
RP11-298I3.4	-0.18	6.09E-01	6.62E-01
GK-IT1	0.41	6.09E-01	6.62E-01
FAM117A	-0.10	6.09E-01	6.62E-01
NFS1	-0.06	6.09E-01	6.62E-01
RP11-321A17.6	0.19	6.09E-01	6.62E-01
FAM217B	0.06	6.09E-01	6.62E-01
LINC01412	0.50	6.09E-01	6.62E-01
RP11-1072A3.3	0.40	6.09E-01	6.63E-01
TNFAIP8L3	-0.10	6.09E-01	6.63E-01
G33346	0.57	6.10E-01	6.64E-01
C17orf51	0.13	6.10E-01	6.64E-01
DLX6-AS1	-0.17	6.10E-01	6.64E-01
RP3-355L5.5	-0.24	6.11E-01	6.64E-01
LL22NC03-75H12.2	0.48	6.11E-01	6.64E-01
RP11-15E18.1	-0.34	6.11E-01	6.64E-01
GATSL3	-0.22	6.11E-01	6.64E-01
G1863	-0.21	6.11E-01	6.64E-01
RP11-262A16.1	0.28	6.11E-01	6.65E-01
TPM3P9	-0.12	6.11E-01	6.65E-01
MAP2K4P1	-0.42	6.12E-01	6.65E-01
SUCLG2	-0.08	6.12E-01	6.65E-01
OR7E126P	0.27	6.12E-01	6.66E-01
BX255923.1	-0.40	6.12E-01	6.66E-01
CTC-350I8.1	-0.40	6.12E-01	6.66E-01
RP13-766D20.2	-0.23	6.13E-01	6.66E-01
HIF3A	-0.22	6.13E-01	6.66E-01
PIK3R2	0.46	6.13E-01	6.66E-01
RP11-214F16.8	0.50	6.13E-01	6.66E-01
SLED1	-0.20	6.13E-01	6.66E-01
ZNF785	0.09	6.13E-01	6.67E-01
MIR4458HG	0.13	6.13E-01	6.67E-01
GOLGA6A	-0.60	6.13E-01	6.67E-01
METTL16	0.05	6.13E-01	6.67E-01
RP1-308E4.1	-0.31	6.14E-01	6.67E-01
RP11-104L21.2	-0.23	6.14E-01	6.67E-01
SLC25A21-AS1	-0.18	6.14E-01	6.67E-01
PRPF39	-0.09	6.14E-01	6.67E-01
CRIM1	0.07	6.14E-01	6.67E-01
RP11-1038A11.3	0.43	6.14E-01	6.67E-01
XLOC_012894	-0.12	6.14E-01	6.67E-01
CFAP74	0.42	6.14E-01	6.68E-01

RDH10	-0.07	6.14E-01	6.68E-01
STAG3L3	0.13	6.15E-01	6.68E-01
DYNC1I2P1	-0.21	6.15E-01	6.68E-01
AC012358.4	0.18	6.15E-01	6.68E-01
ARV1	0.07	6.15E-01	6.68E-01
CBWD2	0.05	6.15E-01	6.68E-01
RP11-64K12.8	-0.52	6.15E-01	6.69E-01
NAP1L3	-0.15	6.16E-01	6.69E-01
GSR	0.08	6.16E-01	6.69E-01
C14orf166	-0.07	6.16E-01	6.69E-01
RNF148	-0.42	6.16E-01	6.69E-01
RP11-442N24__B.1	-0.23	6.16E-01	6.69E-01
AC068620.1	-0.37	6.16E-01	6.69E-01
XLOC_001025	-0.33	6.16E-01	6.69E-01
RP11-467K18.2	-0.53	6.16E-01	6.69E-01
AC016292.3	0.31	6.17E-01	6.70E-01
AGAP10	-0.50	6.17E-01	6.70E-01
CTD-2540B15.12	-0.61	6.17E-01	6.70E-01
IGHG2	0.56	6.17E-01	6.70E-01
DPP9-AS1	-0.26	6.17E-01	6.70E-01
DEPDC1B	-0.11	6.17E-01	6.70E-01
MYL5	0.13	6.18E-01	6.70E-01
AC090587.4	-0.17	6.18E-01	6.71E-01
HERC2P2	-0.20	6.18E-01	6.71E-01
EAF1	-0.07	6.18E-01	6.71E-01
OSR1	-0.20	6.18E-01	6.71E-01
RPL26P30	0.43	6.18E-01	6.71E-01
YPEL1	0.17	6.19E-01	6.71E-01
RP11-313P22.1	-0.37	6.19E-01	6.71E-01
AUH	0.06	6.19E-01	6.71E-01
SART3	-0.05	6.19E-01	6.72E-01
AC226118.1	0.39	6.19E-01	6.72E-01
RP1-232L22__B.1	-0.32	6.19E-01	6.72E-01
APIP	-0.09	6.19E-01	6.72E-01
SDHDP6	0.46	6.19E-01	6.72E-01
STYK1	0.11	6.19E-01	6.72E-01
TP53AIP1	-0.11	6.20E-01	6.72E-01
ACBD7	0.25	6.20E-01	6.72E-01
CDRT15	-0.43	6.20E-01	6.72E-01
CLEC12A	0.40	6.20E-01	6.73E-01
CTD-2005H7.1	0.61	6.20E-01	6.73E-01
ZXDC	-0.06	6.20E-01	6.73E-01
CCNF	-0.09	6.20E-01	6.73E-01
FLJ12825	-0.23	6.21E-01	6.73E-01
DDX11L2	0.20	6.21E-01	6.73E-01

UPF3BP1	0.30	6.21E-01	6.73E-01
CPSF1P1	0.37	6.21E-01	6.73E-01
CPNE7	0.26	6.21E-01	6.74E-01
KCTD15	0.06	6.21E-01	6.74E-01
RP11-92C4.3	0.51	6.22E-01	6.74E-01
AP002495.1	-0.47	6.22E-01	6.74E-01
SNORA70B	-0.55	6.22E-01	6.74E-01
RP11-287D1.4	-0.44	6.22E-01	6.74E-01
DGUOK-AS1	-0.11	6.22E-01	6.74E-01
PPP5D1	0.16	6.22E-01	6.74E-01
G9812	-0.48	6.22E-01	6.75E-01
LINC00926	0.21	6.22E-01	6.75E-01
RP11-15A1.7	0.29	6.23E-01	6.75E-01
XLOC_002344	0.35	6.23E-01	6.75E-01
ZNF438	0.06	6.23E-01	6.75E-01
KLK11	-0.09	6.23E-01	6.76E-01
RPA3	-0.11	6.23E-01	6.76E-01
MNDA	0.17	6.23E-01	6.76E-01
XXbac-BPG181B23.7	0.25	6.23E-01	6.76E-01
RP5-999L4.2	-0.51	6.24E-01	6.76E-01
FER1L4	0.26	6.24E-01	6.76E-01
NDUFB2-AS1	-0.26	6.24E-01	6.76E-01
C8orf88	0.12	6.24E-01	6.76E-01
PRDX3P2	0.36	6.24E-01	6.76E-01
TFB2M	0.07	6.24E-01	6.77E-01
LAMTOR5	-0.08	6.24E-01	6.77E-01
RNF183	-0.40	6.24E-01	6.77E-01
RP11-62F24.2	-0.21	6.24E-01	6.77E-01
CTD-2194D22.3	-0.19	6.25E-01	6.77E-01
ACER1	-0.11	6.25E-01	6.77E-01
DMGDH	0.13	6.25E-01	6.77E-01
RP11-661A12.5	-0.63	6.25E-01	6.77E-01
COLEC12	0.15	6.25E-01	6.77E-01
CLYBL	0.10	6.25E-01	6.78E-01
SLC9A3	0.22	6.25E-01	6.78E-01
C1orf226	-0.15	6.26E-01	6.78E-01
LINC00662	-0.08	6.26E-01	6.78E-01
RP1-267D11.6	0.10	6.26E-01	6.78E-01
GNG10	0.39	6.26E-01	6.78E-01
GRTP1	-0.09	6.26E-01	6.78E-01
RP11-596C23.6	-0.17	6.26E-01	6.78E-01
FAM86B1	-0.24	6.27E-01	6.79E-01
CTD-2639E6.9	0.17	6.27E-01	6.79E-01
RANBP9	-0.07	6.27E-01	6.79E-01
DERL2	-0.05	6.27E-01	6.79E-01

ASIP	0.25	6.27E-01	6.79E-01
KCNB2	-0.55	6.27E-01	6.80E-01
RP11-861E21.3	0.43	6.27E-01	6.80E-01
CLEC10A	-0.21	6.28E-01	6.80E-01
ANKEF1	0.09	6.28E-01	6.80E-01
AC131097.4	-0.23	6.28E-01	6.80E-01
RP11-3K16.2	-0.54	6.28E-01	6.80E-01
RP11-779O18.1	0.65	6.28E-01	6.80E-01
RP11-378E13.3	-0.33	6.28E-01	6.80E-01
RP11-234G16.5	0.53	6.28E-01	6.80E-01
RP11-2B6.3	0.17	6.28E-01	6.80E-01
CXCL14	0.16	6.28E-01	6.80E-01
SPINK5	-0.10	6.28E-01	6.80E-01
RP11-1069G10.2	-0.65	6.28E-01	6.80E-01
FNDC3B	0.10	6.28E-01	6.80E-01
RP11-274H2.5	0.35	6.29E-01	6.81E-01
ZNF883	0.22	6.29E-01	6.81E-01
RDH12	0.11	6.29E-01	6.81E-01
RP11-7F17.8	-0.18	6.29E-01	6.81E-01
PTP4A1	-0.08	6.30E-01	6.82E-01
PHAX	0.06	6.30E-01	6.82E-01
RP11-817J15.3	0.47	6.30E-01	6.82E-01
SNX6	-0.08	6.30E-01	6.82E-01
MKRN2OS	-0.11	6.30E-01	6.82E-01
KIAA1549	0.16	6.30E-01	6.82E-01
CTD-2342J14.6	0.34	6.30E-01	6.82E-01
RP11-273G15.2	-0.19	6.30E-01	6.82E-01
RP11-286H14.4	-0.41	6.30E-01	6.82E-01
XLOC_006644	0.28	6.31E-01	6.82E-01
RDH11	-0.13	6.31E-01	6.82E-01
RP11-15A1.3	0.27	6.31E-01	6.82E-01
OPRK1	-0.48	6.31E-01	6.82E-01
CPA3	0.26	6.31E-01	6.82E-01
BORCS7	0.10	6.31E-01	6.83E-01
RP11-346C20.3	0.25	6.31E-01	6.83E-01
RP11-262H14.4	-0.12	6.31E-01	6.83E-01
LMCD1-AS1	0.21	6.31E-01	6.83E-01
G22770	-0.37	6.31E-01	6.83E-01
ARMC4P1	-0.54	6.31E-01	6.83E-01
PGAM1P7	-0.59	6.31E-01	6.83E-01
RP11-759A24.1	0.46	6.31E-01	6.83E-01
PIK3R1	-0.09	6.32E-01	6.83E-01
AC128709.4	-0.51	6.32E-01	6.83E-01
CREG1	0.10	6.32E-01	6.83E-01
CTB-33G10.1	0.19	6.32E-01	6.84E-01

LINC01134	-0.34	6.32E-01	6.84E-01
G34066	-0.24	6.32E-01	6.84E-01
MAPKAPK5-AS1	0.08	6.32E-01	6.84E-01
SLC25A24	-0.09	6.33E-01	6.84E-01
SEC23A	0.07	6.33E-01	6.84E-01
SAPCD2P3	-0.54	6.34E-01	6.85E-01
GLRA4	0.40	6.34E-01	6.86E-01
GUCA1A	0.46	6.34E-01	6.86E-01
PRKY	-0.51	6.35E-01	6.86E-01
RN7SL118P	-0.36	6.35E-01	6.86E-01
ZNF599	-0.07	6.35E-01	6.86E-01
LINC00618	0.37	6.35E-01	6.86E-01
G9021	-0.32	6.35E-01	6.86E-01
ACSL5	0.19	6.35E-01	6.86E-01
NME8	0.34	6.35E-01	6.86E-01
RP4-730K3.3	0.40	6.35E-01	6.86E-01
G26243	-0.44	6.35E-01	6.86E-01
ATP6V0E2-AS1	0.24	6.35E-01	6.86E-01
CSAD	0.17	6.35E-01	6.86E-01
RP11-69L16.5	-0.37	6.35E-01	6.87E-01
RPSAP18	-0.28	6.35E-01	6.87E-01
RP11-332H14.2	-0.14	6.35E-01	6.87E-01
RP11-115H18.1	0.36	6.35E-01	6.87E-01
RPSAP47	0.51	6.36E-01	6.87E-01
NSUN2	-0.05	6.36E-01	6.87E-01
HPSE	0.12	6.36E-01	6.88E-01
RP1-111C20.4	0.15	6.36E-01	6.88E-01
FXYD6	0.16	6.37E-01	6.88E-01
ARHGEF7	-0.06	6.37E-01	6.88E-01
AC006128.2	0.23	6.37E-01	6.88E-01
RP11-182J1.12	-0.54	6.37E-01	6.88E-01
GPATCH8	0.05	6.37E-01	6.88E-01
HSPA13	0.10	6.37E-01	6.88E-01
LINC00506	-0.28	6.37E-01	6.88E-01
RNU5B-2P	-0.27	6.37E-01	6.89E-01
CHKB-CPT1B	0.36	6.37E-01	6.89E-01
RP11-6O2.4	-0.42	6.38E-01	6.89E-01
RP11-1260E13.1	-0.60	6.38E-01	6.89E-01
RP11-391M20.1	-0.12	6.38E-01	6.89E-01
KB-68A7.1	0.22	6.38E-01	6.89E-01
RP11-1017G21.6	0.22	6.38E-01	6.89E-01
RP11-546D6.3	-0.12	6.38E-01	6.89E-01
ZNF528-AS1	0.10	6.38E-01	6.89E-01
AGMAT	0.19	6.38E-01	6.89E-01
RP1L1	-0.15	6.38E-01	6.89E-01

XLOC_012254	-0.28	6.39E-01	6.90E-01
PPP2R5A	-0.06	6.39E-01	6.90E-01
CLSPN	-0.11	6.39E-01	6.90E-01
LUZP1	0.06	6.39E-01	6.90E-01
CARD9	0.13	6.39E-01	6.90E-01
AC010524.2	0.44	6.39E-01	6.90E-01
AC072052.7	-0.26	6.39E-01	6.90E-01
RP5-1159O4.1	0.17	6.39E-01	6.90E-01
KCNIP2-AS1	-0.39	6.39E-01	6.90E-01
DLG1-AS1	-0.29	6.39E-01	6.90E-01
AL359091.2	-0.30	6.39E-01	6.90E-01
RN7SL574P	-0.50	6.39E-01	6.90E-01
ANKLE1	0.26	6.40E-01	6.90E-01
G8343	-0.30	6.40E-01	6.90E-01
TSPAN13	0.09	6.40E-01	6.91E-01
LINC00996	-0.48	6.40E-01	6.91E-01
G22813	-0.53	6.40E-01	6.91E-01
GSTA8P	-0.52	6.40E-01	6.91E-01
RIBC2	-0.13	6.40E-01	6.91E-01
GLIPR1	0.12	6.40E-01	6.91E-01
BEAN1	-0.17	6.41E-01	6.91E-01
RP6-201G10.2	-0.21	6.41E-01	6.91E-01
LRRC43	0.23	6.41E-01	6.91E-01
RSPH14	-0.15	6.41E-01	6.91E-01
CTD-2323K18.2	-0.40	6.41E-01	6.92E-01
RNU7-123P	-0.53	6.42E-01	6.92E-01
ASAP3	0.07	6.42E-01	6.92E-01
RP11-341N2.1	-0.33	6.42E-01	6.92E-01
LINC00536	0.44	6.42E-01	6.93E-01
PSTPIP2	0.06	6.42E-01	6.93E-01
RP11-350J20.5	-0.16	6.42E-01	6.93E-01
SHISA7	-0.46	6.42E-01	6.93E-01
ARHGEF6	0.12	6.42E-01	6.93E-01
KCNK13	0.30	6.43E-01	6.93E-01
BAK1P1	-0.26	6.43E-01	6.93E-01
CTC-558O2.2	-0.44	6.43E-01	6.93E-01
PLEK2	0.07	6.43E-01	6.93E-01
RP11-900F13.3	-0.46	6.43E-01	6.93E-01
LDHD	0.23	6.43E-01	6.94E-01
CASC8	-0.21	6.44E-01	6.94E-01
U47924.31	-0.47	6.44E-01	6.95E-01
PLN	0.18	6.44E-01	6.95E-01
LINC00431	0.53	6.45E-01	6.95E-01
CTD-3138B18.6	0.21	6.45E-01	6.95E-01
RP5-1050D4.4	-0.42	6.45E-01	6.95E-01

RP11-793H13.10	-0.30	6.45E-01	6.95E-01
CCDC85A	-0.21	6.45E-01	6.95E-01
GRID2	-0.51	6.45E-01	6.96E-01
RP11-311F12.2	0.40	6.45E-01	6.96E-01
RP2	-0.07	6.45E-01	6.96E-01
FAM19A3	0.36	6.45E-01	6.96E-01
VPREB3	0.41	6.46E-01	6.96E-01
MIR219-1	0.43	6.46E-01	6.96E-01
PGBD4P3	0.52	6.46E-01	6.96E-01
AC108676.1	0.45	6.46E-01	6.96E-01
CMTM5	0.35	6.46E-01	6.96E-01
PRELP	0.14	6.46E-01	6.97E-01
CTC-453G23.8	-0.42	6.47E-01	6.97E-01
CTD-2545G14.6	-0.30	6.47E-01	6.98E-01
BHLHE40-AS1	-0.15	6.47E-01	6.98E-01
AC004257.1	0.48	6.47E-01	6.98E-01
MCM6	-0.07	6.47E-01	6.98E-01
G33960	-0.35	6.47E-01	6.98E-01
TOMM20L	-0.20	6.48E-01	6.98E-01
EIF5AL1	-0.22	6.48E-01	6.98E-01
AC073283.4	-0.40	6.48E-01	6.98E-01
BEND3P1	-0.27	6.48E-01	6.98E-01
ADAMTS19	-0.37	6.48E-01	6.99E-01
RP4-704D23.1	-0.42	6.48E-01	6.99E-01
MEGF10	-0.26	6.48E-01	6.99E-01
TRGV3	0.41	6.49E-01	6.99E-01
RP11-1293J14.1	-0.27	6.49E-01	6.99E-01
VPS26A	0.07	6.49E-01	6.99E-01
ENPP6	-0.28	6.49E-01	6.99E-01
HPR	-0.25	6.49E-01	6.99E-01
FAM21B	-0.47	6.49E-01	6.99E-01
SCARB2	-0.07	6.49E-01	6.99E-01
ACA64	0.29	6.50E-01	7.00E-01
PHYH	0.08	6.50E-01	7.00E-01
RASGRP4	0.17	6.50E-01	7.00E-01
RP1-102K2.8	0.31	6.50E-01	7.00E-01
CHADL	0.11	6.50E-01	7.00E-01
DNAJC9	0.06	6.50E-01	7.00E-01
TMEM62	0.04	6.51E-01	7.01E-01
UCK2	-0.07	6.51E-01	7.01E-01
PDCD2L	-0.12	6.51E-01	7.01E-01
CBX3P9	0.45	6.51E-01	7.01E-01
SLC46A1	0.14	6.52E-01	7.02E-01
PRG2	-0.31	6.52E-01	7.02E-01
TRIM34	-0.36	6.53E-01	7.03E-01

G25345	0.28	6.53E-01	7.03E-01
ZFP64	-0.06	6.53E-01	7.03E-01
PLEKHM1P	-0.11	6.53E-01	7.03E-01
KLF4	-0.09	6.53E-01	7.03E-01
LINC00299	0.39	6.53E-01	7.03E-01
POLR2K	-0.09	6.54E-01	7.04E-01
KRCC1	0.07	6.54E-01	7.04E-01
KIAA1024	-0.13	6.54E-01	7.04E-01
COQ10B	-0.06	6.54E-01	7.04E-01
C12orf49	0.05	6.55E-01	7.05E-01
CTD-2527I21.14	-0.48	6.55E-01	7.05E-01
HMGN2P23	-0.40	6.55E-01	7.05E-01
PMPCB	0.06	6.55E-01	7.05E-01
RNY5P8	-0.38	6.55E-01	7.05E-01
SNTG1	-0.38	6.55E-01	7.05E-01
RP4-565E6.1	0.35	6.56E-01	7.05E-01
RP11-48B3.4	-0.27	6.56E-01	7.05E-01
C17orf100	0.11	6.56E-01	7.06E-01
TBCCD1	-0.06	6.56E-01	7.06E-01
COMMD8	-0.10	6.56E-01	7.06E-01
RP11-779O18.3	0.40	6.56E-01	7.06E-01
RP11-59C5.3	-0.12	6.57E-01	7.06E-01
RP11-407G23.2	0.26	6.57E-01	7.07E-01
PDGFRL	-0.22	6.57E-01	7.07E-01
ZGLP1	0.29	6.57E-01	7.07E-01
DMRT2	0.23	6.57E-01	7.07E-01
UNC5B-AS1	-0.26	6.58E-01	7.07E-01
RP11-386B13.4	0.19	6.58E-01	7.07E-01
RP11-510P12.1	0.57	6.58E-01	7.07E-01
RP11-863K10.7	-0.25	6.58E-01	7.07E-01
AL354718.1	-0.19	6.58E-01	7.08E-01
MRPS16	-0.05	6.58E-01	7.08E-01
C18orf54	0.10	6.58E-01	7.08E-01
RP11-460I13.6	0.27	6.58E-01	7.08E-01
G36779	-0.20	6.58E-01	7.08E-01
LARP1	-0.05	6.58E-01	7.08E-01
AC006538.1	0.23	6.58E-01	7.08E-01
PPP1R9A	-0.22	6.59E-01	7.08E-01
AC104438.1	0.27	6.59E-01	7.08E-01
SMUG1	0.04	6.59E-01	7.08E-01
RP11-182J1.1	0.39	6.59E-01	7.08E-01
SATB1	0.06	6.59E-01	7.08E-01
ZNF185	0.07	6.59E-01	7.08E-01
GTF2IP12	-0.14	6.59E-01	7.09E-01
CALCOCO1	0.05	6.59E-01	7.09E-01

ARRB1	0.05	6.59E-01	7.09E-01
VCAN	0.23	6.59E-01	7.09E-01
AC018892.9	-0.22	6.59E-01	7.09E-01
RCN2	-0.06	6.59E-01	7.09E-01
RP11-20D14.6	0.40	6.60E-01	7.09E-01
BMI1	-0.07	6.60E-01	7.09E-01
XLOC_005409	-0.44	6.60E-01	7.09E-01
XLOC_011614	-0.37	6.60E-01	7.09E-01
ARL6IP5	0.08	6.60E-01	7.09E-01
YBX1P1	0.15	6.60E-01	7.09E-01
DDO	0.28	6.60E-01	7.10E-01
RP11-818F20.5	0.31	6.60E-01	7.10E-01
GSTA9P	-0.44	6.61E-01	7.10E-01
LINC01449	0.38	6.61E-01	7.10E-01
KRTAP5-10	-0.58	6.61E-01	7.10E-01
CTR9	0.05	6.61E-01	7.10E-01
GUCA2B	0.37	6.61E-01	7.10E-01
C2orf74	0.26	6.61E-01	7.10E-01
RP11-861L17.3	0.54	6.61E-01	7.10E-01
G39721	-0.30	6.61E-01	7.11E-01
MRPL57	0.07	6.61E-01	7.11E-01
UNC13B	-0.06	6.62E-01	7.11E-01
SNRPD1	0.07	6.62E-01	7.11E-01
RP11-144O23.8	-0.42	6.62E-01	7.11E-01
CTB-175E5.7	-0.18	6.62E-01	7.11E-01
TRMT10C	-0.07	6.62E-01	7.11E-01
MIR193A	-0.26	6.62E-01	7.11E-01
TNFSF14	0.16	6.63E-01	7.12E-01
NXNL2	-0.29	6.63E-01	7.12E-01
RP11-242P2.1	-0.55	6.63E-01	7.12E-01
RP11-38L15.3	-0.12	6.63E-01	7.12E-01
CCDC144NL-AS1	0.25	6.63E-01	7.12E-01
MAD2L1	-0.10	6.63E-01	7.12E-01
ALG14	-0.07	6.63E-01	7.12E-01
LIN37	0.15	6.64E-01	7.12E-01
RNU6-510P	0.30	6.64E-01	7.13E-01
RP11-678G14.3	0.34	6.64E-01	7.13E-01
ATP6V1C2	0.13	6.64E-01	7.13E-01
KRTCAP2	0.16	6.64E-01	7.13E-01
IL22RA2	-0.19	6.64E-01	7.13E-01
NOP56P1	0.69	6.64E-01	7.13E-01
AC106801.1	-0.43	6.64E-01	7.13E-01
HIPK2	0.07	6.65E-01	7.13E-01
MIR194-2HG	-0.42	6.65E-01	7.13E-01
G41779	0.28	6.65E-01	7.13E-01

SETBP1	-0.07	6.65E-01	7.13E-01
TERT	-0.44	6.65E-01	7.13E-01
NICN1	0.09	6.65E-01	7.13E-01
CXADR	0.08	6.65E-01	7.13E-01
XLOC_012945	-0.52	6.65E-01	7.14E-01
RBFOX1	-0.27	6.66E-01	7.14E-01
RP11-645C24.5	0.29	6.66E-01	7.15E-01
RP11-80A15.1	0.24	6.66E-01	7.15E-01
MOSPD1	-0.09	6.66E-01	7.15E-01
IDS	0.06	6.66E-01	7.15E-01
CASC21	-0.32	6.67E-01	7.15E-01
HERC2P3	0.29	6.67E-01	7.15E-01
RP11-53M11.3	-0.51	6.67E-01	7.15E-01
RP11-79P5.9	0.16	6.67E-01	7.15E-01
PRELID3B	-0.08	6.67E-01	7.15E-01
TCAF2P1	0.24	6.67E-01	7.15E-01
RNY4P10	0.31	6.67E-01	7.15E-01
AF124730.4	-0.45	6.67E-01	7.15E-01
ADGRF5P1	-0.26	6.67E-01	7.16E-01
PTGIS	-0.20	6.67E-01	7.16E-01
TUBB3	0.26	6.67E-01	7.16E-01
RP4-680D5.2	0.34	6.68E-01	7.16E-01
GNAZ	0.13	6.68E-01	7.16E-01
CTD-3131K8.3	0.23	6.68E-01	7.16E-01
LINC00163	0.38	6.68E-01	7.16E-01
SLC19A3	0.11	6.68E-01	7.17E-01
AC004538.3	-0.27	6.69E-01	7.17E-01
AC006042.6	-0.26	6.69E-01	7.17E-01
ENTPD7	-0.07	6.69E-01	7.17E-01
PROX1-AS1	-0.29	6.69E-01	7.18E-01
CD33	0.17	6.69E-01	7.18E-01
C15ORF31	-0.40	6.69E-01	7.18E-01
PPP1R2P3	0.36	6.70E-01	7.18E-01
ZNF815P	0.11	6.70E-01	7.18E-01
RP5-1116H23.4	-0.39	6.70E-01	7.18E-01
RP1-153G14.4	0.17	6.71E-01	7.19E-01
MT4	-0.54	6.71E-01	7.20E-01
RTN4	0.05	6.71E-01	7.20E-01
CCNK	-0.08	6.72E-01	7.20E-01
MED30	0.07	6.72E-01	7.21E-01
IGHV2-5	-0.62	6.72E-01	7.21E-01
RP11-293A21.1	-0.17	6.73E-01	7.21E-01
RPS7P1	-0.10	6.73E-01	7.21E-01
RGS18	-0.23	6.73E-01	7.21E-01
CH17-140K24.5	-0.44	6.73E-01	7.21E-01

RNU6-172P	0.53	6.73E-01	7.21E-01
RP11-568N6.1	0.11	6.73E-01	7.21E-01
LRRC37A16P	0.09	6.74E-01	7.22E-01
TRIM74	0.29	6.74E-01	7.22E-01
GPD1	-0.39	6.74E-01	7.22E-01
HMGCLL1	0.26	6.74E-01	7.22E-01
G656	0.47	6.74E-01	7.22E-01
CELSR1	-0.08	6.74E-01	7.23E-01
ATP6AP2	0.07	6.75E-01	7.23E-01
CAMSAP3	-0.10	6.75E-01	7.23E-01
SPATC1	0.52	6.75E-01	7.23E-01
DHRS12	-0.06	6.75E-01	7.23E-01
RN7SL76P	-0.36	6.75E-01	7.23E-01
DCLK3	-0.16	6.75E-01	7.23E-01
RPL9P16	-0.35	6.75E-01	7.23E-01
KCNS2	0.17	6.75E-01	7.23E-01
COL25A1	-0.16	6.76E-01	7.24E-01
SCN2A	0.19	6.76E-01	7.24E-01
UBOX5	-0.06	6.76E-01	7.24E-01
RSPH6A	-0.45	6.76E-01	7.24E-01
TMEM138	-0.06	6.76E-01	7.24E-01
SETP12	-0.30	6.76E-01	7.24E-01
HIVEP3	0.11	6.76E-01	7.24E-01
PTBP2	-0.08	6.77E-01	7.24E-01
NEIL1	-0.15	6.77E-01	7.25E-01
MYO10	-0.04	6.77E-01	7.25E-01
LANCL2	-0.05	6.77E-01	7.25E-01
CTB-147C22.3	-0.33	6.77E-01	7.25E-01
DNAJA2	0.06	6.77E-01	7.25E-01
RP11-235E17.2	-0.45	6.78E-01	7.26E-01
RP3-331H24.7	-0.27	6.78E-01	7.26E-01
HCFC1	0.06	6.78E-01	7.26E-01
NT5E	0.16	6.78E-01	7.26E-01
RP11-306G20.1	-0.48	6.78E-01	7.26E-01
RP11-546M4.1	0.41	6.78E-01	7.26E-01
KCND2	-0.27	6.78E-01	7.26E-01
PCDH8	0.39	6.78E-01	7.26E-01
RP11-285C1.2	-0.42	6.79E-01	7.26E-01
FKBP14	0.09	6.79E-01	7.26E-01
LINC00899	0.11	6.79E-01	7.27E-01
CNN2P1	-0.33	6.79E-01	7.27E-01
PRICKLE2-AS3	0.29	6.79E-01	7.27E-01
SUCLA2	-0.05	6.79E-01	7.27E-01
RP11-881M11.2	-0.35	6.79E-01	7.27E-01
SLC15A2	0.18	6.80E-01	7.27E-01

UHRF1	0.08	6.80E-01	7.27E-01
SNX25P1	0.35	6.80E-01	7.28E-01
KDM4C	-0.04	6.81E-01	7.28E-01
PRCAT47	0.55	6.81E-01	7.28E-01
CAPN11	0.16	6.81E-01	7.29E-01
DIMT1	-0.04	6.81E-01	7.29E-01
NTS	0.39	6.81E-01	7.29E-01
GABRQ	0.15	6.81E-01	7.29E-01
RP11-297D21.4	0.13	6.81E-01	7.29E-01
RP11-279O9.4	0.45	6.81E-01	7.29E-01
DUSP13	-0.23	6.81E-01	7.29E-01
MID1IP1-AS1	0.31	6.82E-01	7.29E-01
RAB1C	0.34	6.82E-01	7.29E-01
CEBPA-AS1	0.09	6.82E-01	7.30E-01
RQCD1	0.04	6.82E-01	7.30E-01
TMEM63A	-0.10	6.82E-01	7.30E-01
RP11-403B2.6	2.16	6.82E-01	7.30E-01
CCDC78	-0.21	6.83E-01	7.30E-01
RPL3P2	-0.28	6.83E-01	7.30E-01
NUP37	-0.05	6.83E-01	7.30E-01
CYP2B7P	-0.35	6.83E-01	7.31E-01
LSMEM1	-0.14	6.83E-01	7.31E-01
CAPNS2	0.09	6.84E-01	7.31E-01
FBXO7	0.03	6.84E-01	7.31E-01
DNAJC3-AS1	-0.10	6.84E-01	7.31E-01
RP11-525E9.1	-0.53	6.84E-01	7.31E-01
SEMA5A	-0.09	6.84E-01	7.31E-01
TRAM1	0.07	6.84E-01	7.31E-01
PCP2	-0.21	6.84E-01	7.31E-01
LINC00621	0.48	6.85E-01	7.32E-01
UMAD1	-0.06	6.85E-01	7.33E-01
AP003774.1	-0.52	6.85E-01	7.33E-01
RP11-573M3.6	-0.40	6.85E-01	7.33E-01
G22769	-0.28	6.86E-01	7.33E-01
VDAC1	0.05	6.86E-01	7.33E-01
PCSK6-AS1	-0.50	6.86E-01	7.33E-01
GFOD1	0.06	6.87E-01	7.34E-01
GPR78	-0.34	6.87E-01	7.34E-01
CRISP2	-0.36	6.87E-01	7.34E-01
RPRML	-0.29	6.87E-01	7.34E-01
RP11-27I1.6	-0.26	6.87E-01	7.34E-01
MAP1B	-0.11	6.87E-01	7.34E-01
RP11-381N20.2	-0.40	6.87E-01	7.34E-01
CCDC40	-0.12	6.88E-01	7.35E-01
RHOQP2	-0.31	6.88E-01	7.35E-01

G17702	-0.18	6.88E-01	7.35E-01
RP11-539L10.2	0.27	6.88E-01	7.35E-01
TSNAXIP1	0.16	6.88E-01	7.35E-01
LIME1	0.19	6.88E-01	7.35E-01
ITPR1-AS1	0.39	6.88E-01	7.35E-01
LINC01341	-0.28	6.88E-01	7.35E-01
CBWD1	0.09	6.89E-01	7.35E-01
PUDPP2	-0.30	6.89E-01	7.36E-01
CYB5R4	-0.05	6.89E-01	7.36E-01
RP11-54D18.2	0.27	6.89E-01	7.36E-01
UBE2L5P	0.28	6.89E-01	7.36E-01
RP11-554D15.1	-0.42	6.89E-01	7.36E-01
MMADHC	0.07	6.89E-01	7.36E-01
RP11-30J20.1	0.63	6.89E-01	7.36E-01
CALHM1	-0.54	6.89E-01	7.36E-01
FUT9	-0.51	6.90E-01	7.36E-01
AK8	-0.10	6.90E-01	7.36E-01
C1QL2	-0.36	6.90E-01	7.37E-01
MTPN	-0.06	6.90E-01	7.37E-01
C14orf2	0.06	6.90E-01	7.37E-01
RP11-106M3.3	-0.19	6.90E-01	7.37E-01
RP11-129M6.1	-0.59	6.90E-01	7.37E-01
RP11-390F4.6	-0.53	6.91E-01	7.37E-01
ZFPM2-AS1	-0.25	6.91E-01	7.37E-01
PRRC2B	-0.06	6.91E-01	7.37E-01
CBWD5	-0.10	6.91E-01	7.37E-01
C2orf16	-0.11	6.91E-01	7.37E-01
AC005481.5	0.29	6.91E-01	7.37E-01
MTRF1L	-0.06	6.91E-01	7.38E-01
XLOC_014288	0.14	6.91E-01	7.38E-01
BRINP3	-0.51	6.91E-01	7.38E-01
C4orf46	-0.08	6.92E-01	7.38E-01
PDSS2	-0.04	6.92E-01	7.39E-01
ZDHHC6	0.05	6.93E-01	7.39E-01
PSMD9	-0.07	6.93E-01	7.40E-01
RDH13	-0.08	6.94E-01	7.40E-01
CTD-3001H11.2	-0.23	6.94E-01	7.40E-01
TRIM48	-0.71	6.94E-01	7.40E-01
CRTC3-AS1	-0.17	6.94E-01	7.41E-01
TNMD	-0.28	6.94E-01	7.41E-01
CTC-510F12.4	-0.16	6.95E-01	7.41E-01
LRRC63	0.34	6.95E-01	7.41E-01
SPDL1	-0.06	6.95E-01	7.41E-01
KRTAP5-5	-0.53	6.95E-01	7.41E-01
GOLGA8VP	0.33	6.95E-01	7.42E-01

CCDC63	0.24	6.96E-01	7.42E-01
CTA-313A17.2	0.42	6.96E-01	7.42E-01
U47924.32	-0.35	6.96E-01	7.42E-01
LINC00891	0.28	6.96E-01	7.42E-01
TULP3	0.07	6.96E-01	7.43E-01
PCDHA6	-0.28	6.96E-01	7.43E-01
KCNB1	0.16	6.97E-01	7.43E-01
OBSCN	-0.12	6.97E-01	7.43E-01
CILP	0.19	6.97E-01	7.43E-01
SNHG7	0.12	6.97E-01	7.44E-01
AC145676.2	-0.25	6.97E-01	7.44E-01
GVINP1	-0.12	6.97E-01	7.44E-01
SUGP2	-0.09	6.98E-01	7.44E-01
MED31	0.06	6.98E-01	7.44E-01
XXbac-B444P24.8	-0.35	6.98E-01	7.44E-01
G10060	0.18	6.98E-01	7.44E-01
SYPL1	-0.06	6.98E-01	7.44E-01
RPS2P46	-0.13	6.98E-01	7.44E-01
CTD-2561B21.11	0.26	6.98E-01	7.45E-01
ATXN10	-0.06	6.98E-01	7.45E-01
MRPS31	0.06	6.99E-01	7.45E-01
IQCE	0.05	6.99E-01	7.45E-01
XLOC_005592	-0.14	6.99E-01	7.45E-01
PSMD6	0.05	6.99E-01	7.45E-01
ADCK2	0.05	6.99E-01	7.45E-01
C16orf96	0.19	6.99E-01	7.45E-01
FAM120A	0.02	6.99E-01	7.45E-01
RP11-60C6.5	0.29	6.99E-01	7.45E-01
RP11-29H23.5	-0.15	6.99E-01	7.45E-01
RP11-686G8.2	0.34	6.99E-01	7.45E-01
ZNF671	0.10	7.00E-01	7.46E-01
CTC-308K20.1	-0.22	7.00E-01	7.46E-01
LAPTM4B	0.07	7.00E-01	7.46E-01
RP11-254I22.2	0.39	7.00E-01	7.46E-01
RP11-323I15.2	-0.33	7.01E-01	7.47E-01
XLOC_012707	0.39	7.01E-01	7.47E-01
RNU6-610P	0.37	7.01E-01	7.47E-01
ENPP4	-0.14	7.01E-01	7.47E-01
HSD17B7P2	-0.11	7.01E-01	7.47E-01
ADCK1	-0.08	7.01E-01	7.47E-01
RP11-347C18.3	-0.14	7.01E-01	7.47E-01
POU5F1P3	0.28	7.01E-01	7.47E-01
ABL2	-0.05	7.02E-01	7.47E-01
PKN2-AS1	-0.25	7.02E-01	7.48E-01
GRM2	0.16	7.02E-01	7.48E-01

Gene	Value	p-value	adj. p-value
RPS4Y1	0.52	7.02E-01	7.48E-01
RP11-254F7.4	0.35	7.02E-01	7.48E-01
VHL	-0.04	7.02E-01	7.48E-01
HCAR2	0.06	7.02E-01	7.48E-01
RP11-286B14.2	0.26	7.03E-01	7.48E-01
MIR4292	0.17	7.03E-01	7.48E-01
TBC1D10C	0.15	7.03E-01	7.49E-01
DDX43	-0.19	7.03E-01	7.49E-01
RP11-690G19.4	0.35	7.03E-01	7.49E-01
RP11-286H15.1	0.44	7.03E-01	7.49E-01
HESX1	0.10	7.04E-01	7.49E-01
EXOSC8	0.04	7.04E-01	7.49E-01
RP4-607I7.1	0.21	7.04E-01	7.50E-01
RP11-131L23.1	0.20	7.04E-01	7.50E-01
BEX2	0.09	7.04E-01	7.50E-01
RP11-307C12.11	0.10	7.04E-01	7.50E-01
TUBGCP4	-0.07	7.04E-01	7.50E-01
RP11-521D12.5	0.14	7.04E-01	7.50E-01
NPPA	-0.28	7.05E-01	7.50E-01
ARSG	0.05	7.05E-01	7.50E-01
G36296	-0.29	7.05E-01	7.50E-01
TMEM158	0.12	7.05E-01	7.50E-01
RP11-326I19.2	-0.25	7.05E-01	7.50E-01
ADAMTSL5	-0.15	7.05E-01	7.51E-01
AL022393.9	-0.41	7.06E-01	7.51E-01
RPL23AP66	-0.44	7.06E-01	7.51E-01
RP4-633I8.4	-0.23	7.06E-01	7.51E-01
LL0XNC01-116E7.2	0.34	7.06E-01	7.51E-01
ATG16L2	-0.12	7.06E-01	7.52E-01
ZNF584	-0.05	7.06E-01	7.52E-01
SLC25A41	-0.33	7.07E-01	7.52E-01
RP11-823E8.3	-0.30	7.07E-01	7.52E-01
KCNU1	-0.43	7.07E-01	7.52E-01
TTLL7	0.13	7.07E-01	7.52E-01
SLITRK3	0.47	7.07E-01	7.52E-01
PCDHGB7	0.06	7.07E-01	7.52E-01
RP11-297N6.4	0.15	7.07E-01	7.52E-01
AC006978.6	0.06	7.07E-01	7.52E-01
DPH6-AS1	-0.27	7.07E-01	7.53E-01
KLF10	0.07	7.07E-01	7.53E-01
AL590822.1	0.18	7.08E-01	7.53E-01
SNORA77	0.23	7.08E-01	7.53E-01
CTC-255N20.1	0.25	7.08E-01	7.53E-01
ADGRG5	-0.12	7.08E-01	7.53E-01
AF146191.4	-0.17	7.09E-01	7.54E-01

SPDYE2B	0.30	7.09E-01	7.54E-01
ST13P20	-0.14	7.09E-01	7.54E-01
GABARAP	0.15	7.09E-01	7.54E-01
RP11-1376P16.2	0.32	7.09E-01	7.54E-01
CCT8	0.07	7.09E-01	7.54E-01
RP11-280K24.4	-0.26	7.10E-01	7.55E-01
AGBL2	-0.16	7.10E-01	7.55E-01
INSC	0.35	7.10E-01	7.55E-01
NMNAT1	0.05	7.10E-01	7.55E-01
MIF	0.22	7.10E-01	7.55E-01
RP11-355F16.1	0.16	7.10E-01	7.55E-01
RNU1-143P	-0.46	7.10E-01	7.55E-01
POT1-AS1	0.31	7.11E-01	7.55E-01
SLC51B	-0.17	7.11E-01	7.55E-01
MIR181A2HG	0.14	7.11E-01	7.55E-01
LINC00989	0.22	7.11E-01	7.55E-01
LINC00202-1	0.18	7.11E-01	7.56E-01
AC068580.6	-0.15	7.11E-01	7.56E-01
RP11-15B17.1	0.42	7.11E-01	7.56E-01
RP11-417O11.5	-0.27	7.11E-01	7.56E-01
RP11-478C6.1	-0.23	7.11E-01	7.56E-01
PRPH2	-0.18	7.11E-01	7.56E-01
RP11-1082L8.3	-0.31	7.11E-01	7.56E-01
IRF2BP2	-0.04	7.11E-01	7.56E-01
MZF1	-0.07	7.11E-01	7.56E-01
DISP2	0.23	7.12E-01	7.56E-01
RP11-472B18.1	0.17	7.12E-01	7.56E-01
RP11-44F14.1	0.40	7.12E-01	7.56E-01
IL1RAPL1	0.23	7.12E-01	7.56E-01
TAC3	-0.43	7.12E-01	7.56E-01
LINC01447	-0.34	7.12E-01	7.56E-01
SQLE	-0.10	7.12E-01	7.56E-01
ADAT1	0.05	7.13E-01	7.57E-01
RP11-681L4.2	-0.40	7.13E-01	7.58E-01
MREG	-0.09	7.13E-01	7.58E-01
G39423	-0.22	7.13E-01	7.58E-01
NUCB1-AS1	-0.43	7.14E-01	7.58E-01
ITIH4	0.26	7.14E-01	7.58E-01
PAK2	0.04	7.14E-01	7.58E-01
RNU1-59P	-0.32	7.14E-01	7.58E-01
RP11-440D17.3	0.11	7.14E-01	7.58E-01
ANKRD35	-0.09	7.14E-01	7.58E-01
CTD-3214K23.1	-0.27	7.14E-01	7.58E-01
RP11-1M18.1	-0.45	7.14E-01	7.58E-01
U91328.19	0.15	7.14E-01	7.58E-01

RP11-262H14.5	0.18	7.14E-01	7.59E-01
TMEM64	-0.07	7.15E-01	7.59E-01
ACTA2-AS1	0.15	7.15E-01	7.59E-01
RP11-812E19.3	0.67	7.15E-01	7.59E-01
AC004699.1	0.23	7.15E-01	7.59E-01
FLJ31104	0.22	7.15E-01	7.59E-01
ZMIZ1-AS1	0.10	7.15E-01	7.60E-01
AASS	0.06	7.16E-01	7.60E-01
DCAF12L2	-0.29	7.16E-01	7.60E-01
RN7SL512P	-0.47	7.16E-01	7.60E-01
SAR1A	-0.04	7.16E-01	7.60E-01
MIR3605	-0.35	7.16E-01	7.61E-01
AC007364.1	-0.31	7.16E-01	7.61E-01
NRK	-0.21	7.17E-01	7.61E-01
EVC2	0.07	7.17E-01	7.61E-01
RPL37	0.06	7.17E-01	7.61E-01
PSMG2	-0.05	7.17E-01	7.61E-01
PPP4R1L	0.07	7.17E-01	7.61E-01
RP11-190C22.8	-0.38	7.17E-01	7.61E-01
LINC00909	-0.05	7.17E-01	7.61E-01
U2AF1	0.12	7.17E-01	7.61E-01
FLJ41941	-0.39	7.17E-01	7.61E-01
RP11-8H2.1	0.19	7.18E-01	7.61E-01
TMEM217	0.10	7.18E-01	7.62E-01
SRD5A2	-0.33	7.18E-01	7.62E-01
NPM2	-0.14	7.18E-01	7.62E-01
DSEL	0.11	7.18E-01	7.62E-01
ZNF663P	-0.30	7.18E-01	7.62E-01
PPP1R2	-0.06	7.18E-01	7.62E-01
NRG3	0.35	7.18E-01	7.62E-01
DPYD	-0.08	7.18E-01	7.62E-01
PABPC5	0.16	7.18E-01	7.62E-01
ARHGEF11	-0.03	7.19E-01	7.62E-01
TEX14	0.17	7.19E-01	7.62E-01
AC011933.2	0.23	7.19E-01	7.63E-01
RNA5SP82	0.35	7.19E-01	7.63E-01
PLEKHD1	0.17	7.19E-01	7.63E-01
NEK2	-0.10	7.19E-01	7.63E-01
COA7	0.06	7.19E-01	7.63E-01
DET1	0.08	7.19E-01	7.63E-01
SPG20-AS1	0.28	7.20E-01	7.63E-01
RP11-61I13.3	-0.22	7.20E-01	7.63E-01
RP11-616K22.1	-0.26	7.20E-01	7.63E-01
HAT1	0.06	7.20E-01	7.64E-01
IGFALS	-0.18	7.20E-01	7.64E-01

Gene	Value	P1	P2
CALML4	0.10	7.20E-01	7.64E-01
RPL7AP6	-0.09	7.21E-01	7.64E-01
RP11-771K4.3	-0.33	7.21E-01	7.64E-01
DDX3X	-0.06	7.21E-01	7.64E-01
CTD-3236F5.1	-0.21	7.21E-01	7.64E-01
CCNL1	-0.07	7.21E-01	7.65E-01
G4016	-0.37	7.21E-01	7.65E-01
MIR1245A	0.33	7.21E-01	7.65E-01
CCR2	0.17	7.21E-01	7.65E-01
SLAMF1	0.17	7.21E-01	7.65E-01
NIPSNAP3B	-0.11	7.21E-01	7.65E-01
WNT7B	0.11	7.22E-01	7.65E-01
GPR89B	-0.08	7.22E-01	7.65E-01
VIP	0.36	7.22E-01	7.65E-01
RP4-633O19__A.1	-0.43	7.22E-01	7.65E-01
G19311	-0.34	7.22E-01	7.66E-01
G30851	0.32	7.23E-01	7.66E-01
XLOC_002900	0.25	7.23E-01	7.66E-01
CASC11	-0.20	7.23E-01	7.66E-01
CTD-2135J3.3	0.15	7.23E-01	7.66E-01
RP11-128M1.1	-0.25	7.23E-01	7.66E-01
BTBD10	-0.04	7.23E-01	7.66E-01
RARRES1	-0.17	7.23E-01	7.66E-01
KRT15	0.13	7.23E-01	7.66E-01
PCDHB13	0.07	7.23E-01	7.67E-01
EIF4A2P1	0.25	7.24E-01	7.67E-01
ZNF200	0.04	7.24E-01	7.67E-01
LPAL2	0.14	7.24E-01	7.67E-01
CTD-2129N1.1	0.27	7.24E-01	7.67E-01
HSPA8	0.08	7.25E-01	7.68E-01
HOMER2	0.08	7.25E-01	7.68E-01
ZNF37CP	-0.37	7.25E-01	7.68E-01
RP11-375N15.2	0.41	7.25E-01	7.68E-01
LA16c-390E6.4	0.22	7.25E-01	7.68E-01
PROS2P	-0.36	7.25E-01	7.68E-01
PTRHD1	0.05	7.25E-01	7.68E-01
GPR182	-0.21	7.25E-01	7.68E-01
RP11-727F15.9	0.29	7.26E-01	7.68E-01
RP11-6N17.3	0.17	7.26E-01	7.68E-01
HCG20	-0.31	7.26E-01	7.69E-01
PCDHAC1	0.20	7.26E-01	7.69E-01
SPTLC2	-0.05	7.26E-01	7.69E-01
RP11-323C15.2	0.29	7.26E-01	7.69E-01
RP11-95D17.1	-0.06	7.26E-01	7.69E-01
RP11-504A18.1	0.35	7.27E-01	7.69E-01

RP11-770E5.2	-0.37	7.27E-01	7.69E-01
NDEL1	0.05	7.27E-01	7.69E-01
ARHGAP24	0.06	7.27E-01	7.70E-01
RP11-353K11.1	-0.14	7.27E-01	7.70E-01
XLOC_007240	-0.24	7.27E-01	7.70E-01
CTD-3088G3.8	-0.14	7.27E-01	7.70E-01
VWA7	-0.12	7.28E-01	7.70E-01
RASEF	0.11	7.28E-01	7.70E-01
RP11-1081L13.4	0.13	7.28E-01	7.71E-01
PLD6	-0.09	7.28E-01	7.71E-01
DHFRL1	-0.04	7.29E-01	7.71E-01
G18525	0.33	7.29E-01	7.72E-01
CBFB	0.03	7.29E-01	7.72E-01
KPNA3	-0.05	7.29E-01	7.72E-01
FAM35BP	-0.27	7.29E-01	7.72E-01
COL9A1	0.39	7.29E-01	7.72E-01
RP11-631F7.1	-0.41	7.29E-01	7.72E-01
RP11-799B12.4	0.26	7.29E-01	7.72E-01
XX-FW83563B9.5	-0.13	7.29E-01	7.72E-01
RP11-1055B8.9	-0.18	7.29E-01	7.72E-01
XLOC_002675	0.20	7.30E-01	7.72E-01
C1orf140	0.32	7.30E-01	7.72E-01
GATA6	-0.17	7.30E-01	7.72E-01
PDCD6IPP2	-0.24	7.30E-01	7.72E-01
GLUD1P3	-0.11	7.30E-01	7.72E-01
RP11-22C11.2	-0.10	7.30E-01	7.72E-01
XLOC_002882	-0.26	7.30E-01	7.73E-01
IL6R	0.06	7.30E-01	7.73E-01
RET	0.11	7.30E-01	7.73E-01
RP11-73M7.1	-0.42	7.30E-01	7.73E-01
LDLRAD1	-0.30	7.30E-01	7.73E-01
NBPF3	0.09	7.31E-01	7.73E-01
CTB-33O18.3	-0.19	7.31E-01	7.73E-01
EIF3C	-0.08	7.31E-01	7.73E-01
OR7E39P	-0.29	7.31E-01	7.73E-01
EZR	0.06	7.31E-01	7.73E-01
RP11-758P17.3	-0.26	7.31E-01	7.73E-01
RP11-65J3.15	0.39	7.31E-01	7.73E-01
TMEM200C	-0.17	7.31E-01	7.73E-01
SOX2-OT	-0.14	7.32E-01	7.74E-01
ADH4	-0.21	7.32E-01	7.74E-01
ALDH2	0.06	7.32E-01	7.74E-01
SATB1-AS1	-0.27	7.33E-01	7.75E-01
PMM2	-0.06	7.33E-01	7.75E-01
RNU6-482P	-0.43	7.33E-01	7.75E-01

PASK	-0.08	7.34E-01	7.76E-01
BRD7P2	0.17	7.34E-01	7.76E-01
RP11-1072A3.4	0.18	7.34E-01	7.76E-01
RP11-330L19.1	-0.29	7.34E-01	7.76E-01
BORCS8	-0.07	7.34E-01	7.76E-01
PRPF3	-0.05	7.34E-01	7.76E-01
HSPB1P1	0.22	7.34E-01	7.76E-01
AC083873.4	-0.28	7.34E-01	7.76E-01
RP11-983P16.4	-0.10	7.34E-01	7.76E-01
TLK2	-0.03	7.35E-01	7.76E-01
AC005264.2	-0.14	7.35E-01	7.76E-01
CTD-2619J13.5	-0.33	7.35E-01	7.76E-01
XLOC_000625	0.26	7.35E-01	7.76E-01
GPR87	-0.06	7.35E-01	7.76E-01
RP11-950C14.7	0.30	7.35E-01	7.76E-01
RP11-441F2.5	-0.48	7.35E-01	7.76E-01
DECR1	0.04	7.35E-01	7.77E-01
ATP6AP1L	0.10	7.35E-01	7.77E-01
RP11-834C11.5	-0.34	7.35E-01	7.77E-01
SPPL3	-0.05	7.35E-01	7.77E-01
VGF	-0.18	7.35E-01	7.77E-01
RP11-523O18.5	-0.33	7.35E-01	7.77E-01
EDARADD	0.06	7.36E-01	7.77E-01
SLC9A2	-0.17	7.36E-01	7.77E-01
RP11-791G16.2	0.26	7.36E-01	7.77E-01
SNORD125	0.19	7.36E-01	7.77E-01
SYPL2	0.33	7.36E-01	7.77E-01
TRGV9	0.37	7.36E-01	7.77E-01
RBM12	0.05	7.36E-01	7.77E-01
SP7	-0.32	7.36E-01	7.78E-01
MRPS25	-0.06	7.37E-01	7.78E-01
COPB2	-0.04	7.37E-01	7.78E-01
PARD3-AS1	0.17	7.37E-01	7.78E-01
XLOC_007667	0.32	7.37E-01	7.78E-01
GGT2	-0.42	7.37E-01	7.78E-01
ZNF143	-0.07	7.37E-01	7.78E-01
CASP10	0.07	7.37E-01	7.78E-01
USP32P2	-0.44	7.37E-01	7.78E-01
HCN4	0.27	7.37E-01	7.78E-01
CD84	0.12	7.37E-01	7.78E-01
AC022819.3	-0.23	7.37E-01	7.78E-01
SKA1	-0.10	7.38E-01	7.79E-01
FGF5	0.45	7.38E-01	7.79E-01
RP11-463O9.9	-0.20	7.38E-01	7.79E-01
RP11-640L9.2	-0.16	7.38E-01	7.79E-01

SCN11A	-0.16	7.38E-01	7.79E-01
FZD8	0.08	7.38E-01	7.80E-01
RP11-243M5.2	-0.46	7.39E-01	7.80E-01
PREX2	0.10	7.39E-01	7.80E-01
RP11-723O4.6	0.13	7.39E-01	7.80E-01
G42332	-0.17	7.39E-01	7.80E-01
OR7E121P	0.56	7.39E-01	7.80E-01
WDR55	0.04	7.40E-01	7.80E-01
HMGCS2	0.19	7.40E-01	7.81E-01
RP11-305D15.8	-0.25	7.40E-01	7.81E-01
G33207	0.19	7.40E-01	7.81E-01
SLC25A13	-0.04	7.40E-01	7.81E-01
MED14OS	-0.25	7.40E-01	7.81E-01
ST20-AS1	0.09	7.41E-01	7.82E-01
AC003075.4	-0.12	7.41E-01	7.82E-01
RP11-958N24.2	0.33	7.41E-01	7.82E-01
UBE2SP1	-0.21	7.41E-01	7.82E-01
RP11-700F16.3	-0.33	7.41E-01	7.82E-01
RNU6-736P	-0.26	7.42E-01	7.83E-01
P2RX6	-0.14	7.42E-01	7.83E-01
TIGD6	-0.04	7.42E-01	7.83E-01
TNPO1P3	-0.45	7.42E-01	7.83E-01
RPP40	-0.07	7.42E-01	7.83E-01
SLC25A15P2	-0.40	7.43E-01	7.84E-01
GPC6-AS2	-0.38	7.43E-01	7.84E-01
RP1-283E3.4	-0.11	7.43E-01	7.84E-01
RP11-347H15.1	0.32	7.43E-01	7.84E-01
RP11-320N21.2	-0.16	7.43E-01	7.84E-01
PGAP2	-0.06	7.43E-01	7.84E-01
G26223	0.27	7.43E-01	7.84E-01
HCG4B	-0.25	7.43E-01	7.84E-01
RN7SKP38	-0.34	7.43E-01	7.84E-01
LINC00910	-0.07	7.43E-01	7.84E-01
LINC01358	-0.18	7.44E-01	7.84E-01
CKS1BP3	0.28	7.44E-01	7.84E-01
RNU2-22P	-0.39	7.44E-01	7.84E-01
OTUB2	0.10	7.44E-01	7.84E-01
RP11-114H24.6	0.17	7.44E-01	7.84E-01
G11195	-0.23	7.44E-01	7.85E-01
RP11-212P7.2	-0.06	7.44E-01	7.85E-01
RPL30	0.05	7.45E-01	7.85E-01
ZC3H10	-0.05	7.45E-01	7.85E-01
RP11-230G5.2	-0.34	7.45E-01	7.85E-01
CATSPER1	0.15	7.45E-01	7.85E-01
RP11-213H15.1	0.26	7.45E-01	7.85E-01

ZNF561	0.04	7.45E-01	7.85E-01
CENPO	0.05	7.45E-01	7.85E-01
KIAA1671	-0.05	7.45E-01	7.86E-01
ANKRD20A1	-0.27	7.45E-01	7.86E-01
NKX3-2	0.25	7.46E-01	7.86E-01
ABO	-0.11	7.46E-01	7.86E-01
PEG13	0.14	7.46E-01	7.86E-01
CTGLF12P	-0.21	7.46E-01	7.86E-01
LINC01315	0.09	7.46E-01	7.86E-01
PBX2P1	0.28	7.46E-01	7.86E-01
G5552	-0.19	7.46E-01	7.86E-01
TRPV1	-0.11	7.46E-01	7.86E-01
C10orf111	-0.31	7.46E-01	7.86E-01
TCAM1P	0.18	7.47E-01	7.87E-01
ANKRD42	0.04	7.47E-01	7.87E-01
XLOC_007096	0.36	7.47E-01	7.87E-01
LINC00930	-0.39	7.47E-01	7.87E-01
APOB	0.26	7.47E-01	7.87E-01
AP006621.9	0.30	7.47E-01	7.87E-01
UBQLNL	-0.25	7.47E-01	7.87E-01
CNN2P9	0.23	7.48E-01	7.88E-01
RP11-756A22.7	0.29	7.48E-01	7.88E-01
RGS7BP	-0.33	7.48E-01	7.88E-01
KDM5D	-0.34	7.48E-01	7.88E-01
HOXA-AS2	0.12	7.48E-01	7.88E-01
EIF2B3	-0.04	7.48E-01	7.88E-01
G31047	-0.20	7.48E-01	7.88E-01
HSDL2	0.07	7.48E-01	7.88E-01
CGN	-0.08	7.48E-01	7.88E-01
ST3GAL6-AS1	0.15	7.48E-01	7.88E-01
OCIAD1	0.04	7.49E-01	7.88E-01
ZBED4	-0.04	7.49E-01	7.88E-01
RP11-967K21.1	-0.13	7.49E-01	7.88E-01
CTD-3195I5.3	-0.17	7.49E-01	7.89E-01
RNU6-97P	0.35	7.49E-01	7.89E-01
ATP7B	0.07	7.49E-01	7.89E-01
XLOC_002952	0.21	7.49E-01	7.89E-01
PAXIP1-AS2	-0.08	7.49E-01	7.89E-01
RP11-613M5.2	-0.28	7.49E-01	7.89E-01
RP11-124N2.1	0.11	7.50E-01	7.89E-01
SPIN4	0.07	7.50E-01	7.89E-01
CTD-2287O16.5	0.08	7.50E-01	7.89E-01
FMO9P	-0.30	7.50E-01	7.89E-01
RP11-62C7.2	0.35	7.50E-01	7.90E-01
G18696	0.24	7.50E-01	7.90E-01

RP11-79O8.1	-0.30	7.50E-01	7.90E-01
SALL2	0.08	7.50E-01	7.90E-01
RWDD4	0.05	7.51E-01	7.90E-01
CTD-2017C7.1	-0.19	7.51E-01	7.90E-01
FAM183A	-0.13	7.51E-01	7.90E-01
HARBI1	0.05	7.52E-01	7.91E-01
C4orf36	0.05	7.52E-01	7.91E-01
TIMD4	-0.32	7.52E-01	7.91E-01
MATN1	-0.18	7.52E-01	7.91E-01
RP11-989E6.3	0.41	7.52E-01	7.91E-01
LINC00622	0.13	7.52E-01	7.92E-01
AC079776.2	-0.29	7.53E-01	7.92E-01
SCN2B	0.11	7.53E-01	7.92E-01
C12orf60	-0.11	7.53E-01	7.92E-01
RP11-174O3.1	0.27	7.53E-01	7.92E-01
MDH1B	0.14	7.54E-01	7.93E-01
RP11-1152H14.1	0.18	7.54E-01	7.93E-01
HOXB1	-0.40	7.55E-01	7.94E-01
NSUN5P2	-0.27	7.55E-01	7.94E-01
CYCS	0.06	7.55E-01	7.94E-01
RP11-117D22.2	0.31	7.55E-01	7.94E-01
PFKFB2	-0.07	7.55E-01	7.94E-01
MIR663AHG	0.21	7.56E-01	7.95E-01
PTMAP1	0.25	7.56E-01	7.95E-01
MCM2	0.06	7.56E-01	7.95E-01
RPS20P33	-0.18	7.56E-01	7.95E-01
LINC00854	-0.13	7.56E-01	7.95E-01
CDRT15P1	0.15	7.56E-01	7.95E-01
ZBED9	-0.13	7.57E-01	7.95E-01
RP11-253M7.4	-0.27	7.57E-01	7.96E-01
GABRA3	-0.13	7.57E-01	7.96E-01
CTA-228A9.3	-0.16	7.57E-01	7.96E-01
TSGA10IP	-0.22	7.57E-01	7.96E-01
CHURC1	-0.06	7.57E-01	7.96E-01
GEMIN7	0.05	7.58E-01	7.96E-01
LETMD1	-0.05	7.58E-01	7.97E-01
CFAP45	-0.10	7.58E-01	7.97E-01
RP11-120K24.3	0.19	7.58E-01	7.97E-01
RP11-435O5.2	-0.13	7.58E-01	7.97E-01
LINC01291	-0.44	7.58E-01	7.97E-01
PMS2P5	0.11	7.59E-01	7.98E-01
XLOC_004203	-0.25	7.59E-01	7.98E-01
NPY2R	0.50	7.59E-01	7.98E-01
SYCP2L	-0.15	7.59E-01	7.98E-01
ASS1	-0.07	7.59E-01	7.98E-01

CDCA3	0.07	7.59E-01	7.98E-01
EZH1	-0.05	7.59E-01	7.98E-01
AC018442.1	-0.24	7.59E-01	7.98E-01
RP11-567M16.6	0.07	7.59E-01	7.98E-01
RN7SL9P	-0.45	7.59E-01	7.98E-01
RP11-95G6.1	0.26	7.60E-01	7.98E-01
RBM43	0.05	7.60E-01	7.98E-01
EIF4A2	-0.07	7.60E-01	7.98E-01
NMNAT2	0.10	7.60E-01	7.98E-01
IMPDH1P10	-0.30	7.60E-01	7.99E-01
CSPG5	-0.11	7.60E-01	7.99E-01
ALG1L12P	0.26	7.60E-01	7.99E-01
TBC1D22B	0.04	7.60E-01	7.99E-01
RP11-507K2.3	-0.09	7.60E-01	7.99E-01
CGA	-0.41	7.61E-01	7.99E-01
RIMS2	0.16	7.61E-01	7.99E-01
GFRA3	0.23	7.61E-01	7.99E-01
MFSD1	0.04	7.61E-01	7.99E-01
DCN	0.12	7.61E-01	7.99E-01
TTLL4	-0.05	7.61E-01	7.99E-01
C22orf29	-0.05	7.61E-01	7.99E-01
RNASEH2CP1	-0.17	7.61E-01	7.99E-01
RAP2A	-0.05	7.61E-01	7.99E-01
CTD-2026D20.2	-0.19	7.61E-01	7.99E-01
EDNRB	0.09	7.62E-01	8.00E-01
RP11-170N16.3	0.15	7.62E-01	8.00E-01
INTS10	-0.02	7.62E-01	8.00E-01
RP11-161I6.2	0.35	7.62E-01	8.00E-01
RPL17P50	-0.15	7.62E-01	8.00E-01
RNF115	0.03	7.62E-01	8.00E-01
XLOC_012849	0.23	7.62E-01	8.00E-01
WAC	0.02	7.63E-01	8.01E-01
RP11-483F11.7	-0.24	7.63E-01	8.01E-01
RAB19	0.30	7.63E-01	8.01E-01
PHKA1-AS1	-0.32	7.63E-01	8.01E-01
DEPDC5	0.04	7.63E-01	8.01E-01
RP11-70O5.2	0.28	7.63E-01	8.01E-01
RP11-92G12.3	0.28	7.64E-01	8.01E-01
RP11-249L21.4	-0.32	7.64E-01	8.02E-01
ROCK1P1	0.19	7.64E-01	8.02E-01
AC024937.4	-0.36	7.64E-01	8.02E-01
SDR16C5	-0.07	7.65E-01	8.02E-01
LINC00689	0.31	7.65E-01	8.02E-01
TCEA3	0.04	7.65E-01	8.02E-01
RP11-964E11.3	0.36	7.65E-01	8.02E-01

RP4-785G19.5	-0.28	7.65E-01	8.03E-01
G36419	-0.18	7.65E-01	8.03E-01
TNFRSF25	0.12	7.65E-01	8.03E-01
AC017006.2	0.33	7.65E-01	8.03E-01
AC022007.5	-0.09	7.65E-01	8.03E-01
PEX19	-0.04	7.66E-01	8.03E-01
LINC00528	0.22	7.66E-01	8.03E-01
C8orf37-AS1	0.14	7.66E-01	8.04E-01
ATXN7L1	-0.04	7.66E-01	8.04E-01
CTB-40H15.4	0.31	7.66E-01	8.04E-01
RNU7-115P	0.27	7.66E-01	8.04E-01
KCNK15-AS1	-0.26	7.66E-01	8.04E-01
RP11-1223D19.3	-0.25	7.67E-01	8.04E-01
CH17-437K3.1	0.20	7.67E-01	8.04E-01
ZFPM2	-0.09	7.67E-01	8.04E-01
LINC00877	-0.19	7.67E-01	8.05E-01
RNU7-77P	-0.31	7.67E-01	8.05E-01
RP11-554A11.9	0.24	7.67E-01	8.05E-01
PLXNA3	0.07	7.67E-01	8.05E-01
SPATA41	0.16	7.68E-01	8.05E-01
MAPK6	0.05	7.68E-01	8.05E-01
NAMPTP1	0.17	7.68E-01	8.05E-01
CENPH	0.07	7.68E-01	8.06E-01
FOXL2NB	-0.32	7.69E-01	8.06E-01
RP11-104G3.7	0.30	7.69E-01	8.06E-01
RP1-102E24.6	-0.23	7.69E-01	8.06E-01
TMC3	-0.16	7.69E-01	8.06E-01
SLC14A1	-0.31	7.70E-01	8.07E-01
XLOC_008785	-0.43	7.70E-01	8.07E-01
GSTA4	0.06	7.70E-01	8.07E-01
BAZ1A	-0.04	7.70E-01	8.07E-01
XLOC_008020	0.16	7.70E-01	8.07E-01
CLCN3P1	-0.22	7.70E-01	8.07E-01
TIRAP	-0.05	7.70E-01	8.07E-01
FAM180A	0.12	7.70E-01	8.07E-01
RP11-486A14.2	0.25	7.70E-01	8.07E-01
RP11-131L12.2	-0.16	7.70E-01	8.07E-01
RIC8B	-0.04	7.70E-01	8.08E-01
TTYH1	-0.12	7.71E-01	8.08E-01
MRPL53	-0.11	7.71E-01	8.08E-01
ALG1L6P	0.14	7.71E-01	8.08E-01
RP11-725P16.2	-0.15	7.72E-01	8.09E-01
RP13-401N8.1	0.11	7.72E-01	8.09E-01
TMEM72-AS1	-0.19	7.72E-01	8.09E-01
RP11-95O2.5	0.25	7.73E-01	8.10E-01

RARA-AS1	0.13	7.73E-01	8.10E-01
CTCF	-0.03	7.73E-01	8.10E-01
CSNK1A1	-0.04	7.73E-01	8.10E-01
MDH1	-0.04	7.73E-01	8.10E-01
AC005237.4	-0.20	7.73E-01	8.10E-01
ACAA2	0.13	7.74E-01	8.10E-01
GCNT1	0.09	7.74E-01	8.11E-01
SLC7A5P1	-0.13	7.74E-01	8.11E-01
HNRNPA1P16	0.12	7.74E-01	8.11E-01
MAEL	-0.35	7.74E-01	8.11E-01
XLOC_011519	-0.59	7.74E-01	8.11E-01
RP11-290F5.2	0.21	7.74E-01	8.11E-01
RP11-148K1.12	0.22	7.74E-01	8.11E-01
RP11-23P13.6	-0.23	7.74E-01	8.11E-01
NDUFA5	0.05	7.74E-01	8.11E-01
MAGI3	-0.05	7.74E-01	8.11E-01
G40988	0.12	7.75E-01	8.11E-01
RP11-291I6.2	-0.36	7.75E-01	8.11E-01
NAT10	0.03	7.75E-01	8.11E-01
AC005013.5	0.24	7.75E-01	8.11E-01
AP006222.2	0.12	7.75E-01	8.12E-01
G39663	0.16	7.75E-01	8.12E-01
C1orf56	0.06	7.75E-01	8.12E-01
FAM83C-AS1	-0.13	7.75E-01	8.12E-01
OR2C1	0.23	7.75E-01	8.12E-01
RP11-548H18.2	0.12	7.76E-01	8.12E-01
RP11-138E2.1	-0.29	7.76E-01	8.12E-01
FAM63A	0.04	7.76E-01	8.12E-01
AC003986.7	-0.22	7.76E-01	8.12E-01
RP11-253I19.4	-0.28	7.76E-01	8.12E-01
PIWIL2	-0.12	7.76E-01	8.12E-01
GYG2P1	-0.20	7.76E-01	8.12E-01
RNU2-65P	-0.30	7.76E-01	8.13E-01
MAGIX	0.07	7.76E-01	8.13E-01
ASAP1-IT2	-0.16	7.77E-01	8.13E-01
RP11-362J17.1	0.22	7.77E-01	8.14E-01
RP4-614O4.13	-0.06	7.77E-01	8.14E-01
FAM90A25P	-0.38	7.77E-01	8.14E-01
FMO6P	-0.21	7.77E-01	8.14E-01
HMBOX1-IT1	0.25	7.78E-01	8.14E-01
PARK2	-0.07	7.78E-01	8.14E-01
MAP7	0.05	7.78E-01	8.14E-01
ERP29P1	0.28	7.78E-01	8.14E-01
MYL12BP2	-0.25	7.78E-01	8.14E-01
G33789	0.10	7.78E-01	8.14E-01

TMEM45A	-0.06	7.79E-01	8.15E-01
HSP90AB3P	-0.20	7.79E-01	8.15E-01
RPL37P6	-0.25	7.79E-01	8.15E-01
G41275	0.09	7.79E-01	8.15E-01
COPS4	0.04	7.80E-01	8.15E-01
RP11-490B18.5	0.15	7.80E-01	8.16E-01
AF213884.2	0.18	7.80E-01	8.16E-01
NPBWR1	-0.17	7.80E-01	8.16E-01
MIR616	-0.19	7.80E-01	8.16E-01
AC104134.2	-0.25	7.80E-01	8.16E-01
RP11-299G20.2	-0.11	7.80E-01	8.16E-01
RP11-1399P15.1	-0.23	7.80E-01	8.16E-01
G30725	0.31	7.80E-01	8.16E-01
NLRP14	0.28	7.81E-01	8.16E-01
CD96	0.13	7.81E-01	8.16E-01
BANF1P1	-0.21	7.81E-01	8.16E-01
XLOC_000019	0.18	7.81E-01	8.17E-01
ACVR2B-AS1	-0.10	7.81E-01	8.17E-01
NAIP	0.10	7.81E-01	8.17E-01
ATP5C1	-0.04	7.81E-01	8.17E-01
AC027601.1	-0.14	7.81E-01	8.17E-01
PNPO	-0.05	7.82E-01	8.17E-01
RP11-730B22.1	0.22	7.82E-01	8.17E-01
ZNF706	0.04	7.82E-01	8.17E-01
MZF1-AS1	-0.07	7.82E-01	8.18E-01
RP11-21L19.1	-0.33	7.82E-01	8.18E-01
LA16c-313D11.9	-0.28	7.83E-01	8.18E-01
RADIL	0.10	7.83E-01	8.18E-01
RIMBP2	0.07	7.83E-01	8.18E-01
RP11-729I10.2	0.38	7.83E-01	8.18E-01
MAPK8IP2	0.12	7.83E-01	8.18E-01
RP11-46I8.3	-0.40	7.83E-01	8.18E-01
RNU1-11P	-0.31	7.83E-01	8.18E-01
RP11-791G15.2	0.14	7.83E-01	8.19E-01
RP11-867G23.8	-0.07	7.83E-01	8.19E-01
TGM6	-0.38	7.84E-01	8.19E-01
SGPP2	0.07	7.84E-01	8.19E-01
CCDC129	0.19	7.84E-01	8.19E-01
MTFR2	-0.07	7.84E-01	8.19E-01
BZW1P2	-0.09	7.84E-01	8.19E-01
KLF17P1	-0.26	7.84E-01	8.19E-01
RP11-525K10.3	-0.14	7.84E-01	8.19E-01
RP3-465N24.5	-0.20	7.84E-01	8.19E-01
RP11-357N13.3	0.16	7.84E-01	8.19E-01
CTA-797E19.1	0.22	7.85E-01	8.20E-01

FMR1-IT1	-0.13	7.85E-01	8.20E-01
A2MP1	0.19	7.85E-01	8.20E-01
CTB-51J22.1	-0.26	7.86E-01	8.21E-01
DNM3OS	-0.12	7.86E-01	8.21E-01
APPL2	-0.04	7.86E-01	8.21E-01
HM13-AS1	-0.15	7.87E-01	8.22E-01
RIPK2	-0.04	7.87E-01	8.22E-01
OR7E83P	0.27	7.87E-01	8.22E-01
CAHM	0.10	7.87E-01	8.22E-01
PGM5P4-AS1	-0.18	7.87E-01	8.22E-01
TMTC1	-0.09	7.88E-01	8.22E-01
MIR25	0.16	7.88E-01	8.23E-01
RP11-615I2.2	0.10	7.88E-01	8.23E-01
RN7SL500P	-0.30	7.88E-01	8.23E-01
JMY	-0.05	7.88E-01	8.23E-01
UQCRQ	-0.04	7.88E-01	8.23E-01
LUZP2	-0.15	7.89E-01	8.23E-01
RP11-318E3.9	0.27	7.89E-01	8.23E-01
KCNH4	-0.25	7.89E-01	8.23E-01
ASTN2	-0.11	7.89E-01	8.23E-01
DKFZp434J0226	0.11	7.89E-01	8.23E-01
MARK2P9	0.18	7.89E-01	8.24E-01
RP11-789C17.1	-0.15	7.89E-01	8.24E-01
TRBV5-4	-0.37	7.89E-01	8.24E-01
TOMM20P2	0.20	7.89E-01	8.24E-01
RPL21P10	-0.16	7.89E-01	8.24E-01
ERN1	-0.03	7.89E-01	8.24E-01
YIPF5	0.04	7.89E-01	8.24E-01
A1BG-AS1	0.12	7.90E-01	8.24E-01
NUP214	0.04	7.90E-01	8.24E-01
RP11-10A14.5	-0.21	7.90E-01	8.24E-01
RNU6-238P	-0.19	7.90E-01	8.24E-01
C1orf68	-0.10	7.90E-01	8.25E-01
POLN	-0.06	7.90E-01	8.25E-01
AC007193.6	-0.13	7.90E-01	8.25E-01
CAV2	0.06	7.90E-01	8.25E-01
RN7SL521P	-0.21	7.91E-01	8.25E-01
CCDC140	-0.26	7.91E-01	8.25E-01
RP11-455O6.9	-0.21	7.91E-01	8.25E-01
CDC37L1-AS1	-0.10	7.91E-01	8.25E-01
LINC01176	-0.10	7.91E-01	8.25E-01
HIPK4	0.14	7.91E-01	8.25E-01
TMEM136	-0.06	7.91E-01	8.25E-01
KLRC1	-0.23	7.91E-01	8.25E-01
XLOC_007617	-0.13	7.91E-01	8.25E-01

RP11-696N14.1	-0.08	7.91E-01	8.26E-01
LINC01606	-0.52	7.92E-01	8.26E-01
RP11-615I2.6	-0.25	7.92E-01	8.26E-01
RRM2	0.07	7.92E-01	8.26E-01
PSMD7	0.03	7.93E-01	8.27E-01
RNU6-407P	-0.22	7.93E-01	8.27E-01
TM2D3	0.03	7.93E-01	8.27E-01
AC006116.22	0.26	7.93E-01	8.27E-01
CTD-2015H6.3	0.05	7.93E-01	8.27E-01
PCOLCE-AS1	-0.18	7.93E-01	8.27E-01
CTD-2286N8.1	0.19	7.94E-01	8.28E-01
HMGB1P31	-0.10	7.94E-01	8.28E-01
FGF2	0.11	7.94E-01	8.28E-01
RASSF10	-0.05	7.94E-01	8.28E-01
SNRNP27	0.04	7.94E-01	8.28E-01
XLOC_008619	-0.23	7.94E-01	8.28E-01
DDX3Y	-0.37	7.94E-01	8.28E-01
C2orf76	-0.04	7.94E-01	8.28E-01
G25250	-0.14	7.95E-01	8.29E-01
ARHGAP26	-0.04	7.95E-01	8.29E-01
ARHGEF7-IT1	-0.23	7.95E-01	8.29E-01
MTCO2P12	0.25	7.95E-01	8.29E-01
RP11-92K2.2	-0.11	7.95E-01	8.29E-01
G40767	-0.13	7.95E-01	8.29E-01
AC004637.1	-0.24	7.95E-01	8.29E-01
MED12	-0.03	7.95E-01	8.29E-01
GRIK4	-0.14	7.96E-01	8.30E-01
MAPK13	-0.04	7.96E-01	8.30E-01
RP11-227G15.12	0.12	7.96E-01	8.30E-01
RP11-20G13.5	-0.23	7.96E-01	8.30E-01
AMBRA1	0.02	7.97E-01	8.30E-01
CTD-2619J13.13	-0.05	7.97E-01	8.30E-01
USP32P3	-0.19	7.97E-01	8.31E-01
FOXQ1	0.08	7.97E-01	8.31E-01
NSUN5P1	0.09	7.97E-01	8.31E-01
KLHL18	0.05	7.97E-01	8.31E-01
G42720	0.20	7.98E-01	8.31E-01
SDHAP3	0.07	7.98E-01	8.31E-01
CNTN3	0.11	7.98E-01	8.31E-01
SEPT4-AS1	0.30	7.98E-01	8.31E-01
RP11-181G12.4	0.30	7.98E-01	8.31E-01
PMEL	-0.11	7.98E-01	8.31E-01
RP11-680G24.4	-0.14	7.98E-01	8.31E-01
RP11-426L16.3	0.21	7.98E-01	8.31E-01
C9orf139	0.14	7.99E-01	8.32E-01

RP5-1017F8.2	0.25	7.99E-01	8.32E-01
AC012358.8	0.10	7.99E-01	8.32E-01
HNRNPA1P48	-0.07	7.99E-01	8.32E-01
CYP26B1	0.05	7.99E-01	8.32E-01
ZNF667-AS1	-0.08	8.00E-01	8.33E-01
RP11-187C18.3	-0.18	8.00E-01	8.33E-01
TRGV4	-0.29	8.00E-01	8.33E-01
AC132008.1	-0.22	8.01E-01	8.34E-01
RP3-412A9.17	0.17	8.01E-01	8.34E-01
C3orf33	0.06	8.01E-01	8.34E-01
AC025171.1	-0.10	8.01E-01	8.34E-01
XLOC_008979	0.13	8.01E-01	8.34E-01
PPP1R8	-0.03	8.01E-01	8.34E-01
RP11-165J3.6	-0.11	8.02E-01	8.35E-01
RP11-445N20.2	-0.28	8.02E-01	8.35E-01
FAM86B3P	0.08	8.02E-01	8.35E-01
RP13-516M14.4	0.19	8.02E-01	8.35E-01
PMS2P4	0.05	8.02E-01	8.35E-01
MYO15A	-0.11	8.02E-01	8.35E-01
C6orf25	-0.07	8.02E-01	8.35E-01
RP11-321F8.4	0.15	8.03E-01	8.36E-01
CACNA1H	-0.18	8.03E-01	8.36E-01
SCARA3	-0.06	8.03E-01	8.36E-01
CACTIN-AS1	0.17	8.04E-01	8.37E-01
PROC	0.14	8.04E-01	8.37E-01
RAD51D	0.04	8.04E-01	8.37E-01
TSPEAR-AS1	-0.19	8.05E-01	8.37E-01
CTD-2591A1.1	0.20	8.05E-01	8.37E-01
CTD-2378E12.1	-0.13	8.05E-01	8.37E-01
PCID2	-0.03	8.05E-01	8.37E-01
RP1-34B20.4	-0.31	8.05E-01	8.38E-01
CYP4V2	0.07	8.05E-01	8.38E-01
FCRLA	0.13	8.06E-01	8.38E-01
FAM209B	-0.19	8.06E-01	8.38E-01
CCDC82	-0.05	8.06E-01	8.39E-01
TMEM145	-0.15	8.06E-01	8.39E-01
RP11-256L11.3	0.32	8.06E-01	8.39E-01
MITD1	0.03	8.07E-01	8.39E-01
RP11-867G23.1	-0.22	8.07E-01	8.39E-01
PABPC3	0.16	8.07E-01	8.39E-01
ALX4	-0.13	8.07E-01	8.39E-01
RP11-327J17.9	-0.23	8.07E-01	8.39E-01
TANGO2	-0.04	8.07E-01	8.39E-01
SLC35E2B	-0.06	8.07E-01	8.39E-01
RP11-430G17.3	-0.30	8.07E-01	8.39E-01

RP11-706O15.5	-0.41	8.07E-01	8.39E-01
DNAJC19	-0.03	8.07E-01	8.39E-01
ABCC8	-0.31	8.08E-01	8.40E-01
RP11-354E11.2	-0.13	8.08E-01	8.40E-01
LINC00284	-0.26	8.08E-01	8.40E-01
ITGA4	0.10	8.08E-01	8.40E-01
NUP50-AS1	-0.04	8.08E-01	8.40E-01
LCE2C	0.08	8.08E-01	8.41E-01
CASP12	0.12	8.09E-01	8.41E-01
NT5C3A	0.06	8.09E-01	8.41E-01
PAN2	0.05	8.09E-01	8.41E-01
AC011738.4	0.21	8.09E-01	8.41E-01
CCNT2-AS1	-0.11	8.09E-01	8.41E-01
SRRM4	-0.28	8.09E-01	8.42E-01
HKR1	-0.03	8.10E-01	8.42E-01
LINC01415	-0.08	8.10E-01	8.42E-01
RP3-428L16.1	-0.19	8.10E-01	8.42E-01
RP11-467J12.4	0.14	8.10E-01	8.42E-01
DNAL1	0.06	8.10E-01	8.42E-01
MFSD5	-0.04	8.11E-01	8.43E-01
CPO	0.18	8.11E-01	8.43E-01
TYW1	-0.02	8.11E-01	8.43E-01
CTB-133G6.2	0.16	8.11E-01	8.43E-01
DERL3	-0.08	8.11E-01	8.43E-01
G34931	-0.11	8.11E-01	8.43E-01
RP11-271M24.2	-0.23	8.12E-01	8.43E-01
PIWIL4	-0.07	8.12E-01	8.43E-01
NACA	-0.04	8.12E-01	8.44E-01
HMGN1P7	-0.14	8.12E-01	8.44E-01
KCNJ14	-0.09	8.12E-01	8.44E-01
FASLG	0.17	8.12E-01	8.44E-01
RP11-351M8.1	0.22	8.12E-01	8.44E-01
TTC9	0.04	8.12E-01	8.44E-01
HCAR3	0.07	8.12E-01	8.44E-01
PRB1	-0.23	8.13E-01	8.44E-01
AC007182.6	-0.09	8.13E-01	8.45E-01
SLC22A14	0.25	8.13E-01	8.45E-01
RANBP17	-0.09	8.13E-01	8.45E-01
RP11-342D11.2	-0.31	8.13E-01	8.45E-01
SOX21	0.04	8.13E-01	8.45E-01
RP11-459I19.1	-0.17	8.13E-01	8.45E-01
HTATSF1	-0.03	8.14E-01	8.45E-01
RP11-434D2.11	-0.21	8.14E-01	8.45E-01
SNRPD3	0.04	8.14E-01	8.46E-01
RP11-416I2.1	-0.13	8.14E-01	8.46E-01

G28030	-0.28	8.15E-01	8.46E-01
C12orf80	-0.21	8.15E-01	8.46E-01
MIR3936	-0.13	8.15E-01	8.46E-01
TIGIT	-0.12	8.15E-01	8.46E-01
IL7R	0.09	8.15E-01	8.47E-01
RP11-264M12.2	0.16	8.16E-01	8.47E-01
SELE	0.10	8.16E-01	8.47E-01
RP5-1139B12.3	0.13	8.16E-01	8.47E-01
TIMP4	0.18	8.16E-01	8.47E-01
MTND5P1	-0.19	8.16E-01	8.47E-01
RP11-214O1.2	-0.09	8.16E-01	8.47E-01
G42645	-0.11	8.16E-01	8.47E-01
SMPD3	-0.07	8.17E-01	8.48E-01
PDE8A	0.03	8.17E-01	8.48E-01
FSD1	0.30	8.17E-01	8.48E-01
MADD	-0.03	8.17E-01	8.48E-01
FBXO43	-0.10	8.17E-01	8.48E-01
RP11-466C23.5	-0.24	8.17E-01	8.48E-01
RP11-803B1.8	-0.11	8.17E-01	8.48E-01
MIR4768	0.26	8.18E-01	8.49E-01
KLF15	0.10	8.18E-01	8.49E-01
RP3-391O22.3	-0.24	8.18E-01	8.49E-01
CLEC18A	-0.22	8.18E-01	8.49E-01
RP11-288G3.4	0.23	8.18E-01	8.49E-01
RNU6-969P	-0.20	8.18E-01	8.49E-01
FRMD6-AS1	-0.07	8.18E-01	8.49E-01
PHOSPHO1	-0.07	8.18E-01	8.49E-01
XLOC_006699	-0.28	8.18E-01	8.49E-01
NUDT16P1	-0.06	8.19E-01	8.49E-01
RP11-585P4.6	-0.11	8.19E-01	8.50E-01
FRMPD1	0.08	8.20E-01	8.50E-01
WDR72	-0.11	8.20E-01	8.50E-01
VKORC1	0.05	8.20E-01	8.50E-01
PRRG4	0.05	8.20E-01	8.50E-01
AC017060.1	0.22	8.20E-01	8.50E-01
ALB	-0.16	8.20E-01	8.50E-01
SYN3	0.16	8.20E-01	8.50E-01
RP11-481J13.1	0.20	8.20E-01	8.51E-01
MYBPC2	-0.20	8.20E-01	8.51E-01
SEMA4D	-0.04	8.21E-01	8.51E-01
GTF2E1	0.03	8.21E-01	8.51E-01
RNF216-IT1	-0.25	8.21E-01	8.51E-01
SOX9-AS1	0.12	8.21E-01	8.51E-01
AP001437.1	0.26	8.21E-01	8.52E-01
HMGB1P21	0.21	8.21E-01	8.52E-01

ASCL5	0.24	8.21E-01	8.52E-01
SNX18P13	0.32	8.22E-01	8.52E-01
RP11-492E3.2	0.20	8.22E-01	8.52E-01
SCGB1D2	0.25	8.22E-01	8.52E-01
G30964	-0.15	8.22E-01	8.52E-01
EGFLAM-AS4	-0.31	8.22E-01	8.52E-01
ACAD8	-0.04	8.22E-01	8.53E-01
ANXA8	-0.10	8.23E-01	8.53E-01
UBASH3A	-0.12	8.23E-01	8.53E-01
XLOC_006132	-0.19	8.23E-01	8.53E-01
RP11-7K24.3	0.08	8.23E-01	8.53E-01
RP11-660L16.2	-0.14	8.23E-01	8.53E-01
YAE1D1	0.03	8.23E-01	8.53E-01
CTD-2515A14.1	0.12	8.23E-01	8.53E-01
AC073316.1	-0.20	8.23E-01	8.53E-01
AFG3L1P	0.05	8.23E-01	8.53E-01
RP11-350J20.9	-0.12	8.24E-01	8.54E-01
ZNF69	-0.07	8.24E-01	8.54E-01
CCDC80	0.09	8.24E-01	8.54E-01
CHEK1	-0.04	8.24E-01	8.54E-01
ZNF354A	0.03	8.24E-01	8.54E-01
MLIP	0.08	8.24E-01	8.54E-01
KIF12	0.12	8.24E-01	8.54E-01
ADAMTS5	-0.10	8.25E-01	8.54E-01
RP11-783K16.13	0.11	8.25E-01	8.54E-01
FBXO27	-0.06	8.25E-01	8.55E-01
AC008753.6	0.19	8.25E-01	8.55E-01
ADAL	0.04	8.26E-01	8.55E-01
PCNP	0.03	8.26E-01	8.56E-01
SLC6A4	0.07	8.26E-01	8.56E-01
FCF1P7	0.11	8.26E-01	8.56E-01
UBIAD1	-0.08	8.27E-01	8.56E-01
TRIM61	0.20	8.27E-01	8.57E-01
RP11-135F9.3	0.03	8.27E-01	8.57E-01
RPL5P18	-0.21	8.27E-01	8.57E-01
CEBPZOS	0.03	8.27E-01	8.57E-01
RP11-522M21.3	0.23	8.27E-01	8.57E-01
ELOVL2	0.10	8.28E-01	8.57E-01
RP1-102E24.8	-0.09	8.28E-01	8.57E-01
RP1-59D14.5	-0.10	8.28E-01	8.57E-01
ABCG2	-0.07	8.28E-01	8.57E-01
GALR1	-0.18	8.28E-01	8.57E-01
C11orf21	-0.09	8.28E-01	8.58E-01
RN7SL543P	-0.22	8.28E-01	8.58E-01
ACYP2	0.03	8.28E-01	8.58E-01

AC006026.13	-0.12	8.29E-01	8.58E-01
RP11-1280N14.3	-0.09	8.29E-01	8.58E-01
UBE2V2	-0.03	8.29E-01	8.58E-01
MIR93	-0.22	8.29E-01	8.59E-01
TRIM10	0.13	8.30E-01	8.59E-01
DHRS4L1	0.06	8.30E-01	8.59E-01
ATP8B4	-0.06	8.30E-01	8.59E-01
RP3-486I3.4	-0.21	8.30E-01	8.60E-01
PSORS1C1	-0.06	8.30E-01	8.60E-01
RP11-569A11.1	-0.19	8.31E-01	8.60E-01
COX6C	-0.04	8.31E-01	8.60E-01
GS1-124K5.9	0.27	8.31E-01	8.60E-01
FMN2	-0.14	8.31E-01	8.60E-01
INPP4A	-0.02	8.31E-01	8.60E-01
DPF3	-0.05	8.32E-01	8.61E-01
DONSON	0.04	8.32E-01	8.61E-01
ELL2	0.03	8.32E-01	8.61E-01
G26897	0.11	8.32E-01	8.61E-01
DPY19L1	-0.04	8.32E-01	8.61E-01
ACO1	0.07	8.32E-01	8.61E-01
OOEP	0.12	8.32E-01	8.61E-01
RP11-115H13.1	0.11	8.32E-01	8.61E-01
S100A1	-0.11	8.32E-01	8.61E-01
RN7SL270P	-0.24	8.33E-01	8.62E-01
RP11-388C12.8	-0.16	8.33E-01	8.62E-01
HDAC10	-0.10	8.33E-01	8.62E-01
LINC00265	-0.06	8.33E-01	8.62E-01
TRBV28	0.20	8.33E-01	8.62E-01
MGAM2	0.30	8.33E-01	8.62E-01
RP11-454K7.1	-0.18	8.33E-01	8.62E-01
CTC-523E23.3	-0.07	8.34E-01	8.63E-01
KREMEN1	0.03	8.34E-01	8.63E-01
GARNL3	-0.03	8.34E-01	8.63E-01
RP11-736K20.6	-0.13	8.34E-01	8.63E-01
TMEM156	-0.14	8.35E-01	8.63E-01
AL163953.3	0.09	8.35E-01	8.63E-01
FAM86C1	0.05	8.35E-01	8.63E-01
CTD-2524L6.3	0.13	8.35E-01	8.64E-01
OR7E108P	-0.10	8.35E-01	8.64E-01
XLOC_006901	0.16	8.35E-01	8.64E-01
RNU6-1011P	-0.15	8.36E-01	8.64E-01
G35278	-0.13	8.36E-01	8.64E-01
RP11-638I2.4	-0.25	8.36E-01	8.64E-01
RP5-997D16.2	0.04	8.36E-01	8.64E-01
LINC01265	0.13	8.36E-01	8.64E-01

THOC5	-0.01	8.36E-01	8.65E-01
HERC2P4	0.16	8.36E-01	8.65E-01
RP11-712B9.2	0.06	8.36E-01	8.65E-01
G32325	-0.21	8.37E-01	8.65E-01
GOLGA8M	0.20	8.37E-01	8.65E-01
GRAMD4	-0.03	8.37E-01	8.65E-01
AC096558.1	0.15	8.37E-01	8.65E-01
FOXI2	-0.15	8.37E-01	8.65E-01
AC114765.2	-0.23	8.37E-01	8.65E-01
SNX29	0.03	8.37E-01	8.65E-01
TMEM236	-0.11	8.37E-01	8.65E-01
RP11-488I20.9	-0.27	8.37E-01	8.65E-01
TRHDE	-0.12	8.37E-01	8.66E-01
SLC6A12	0.10	8.38E-01	8.66E-01
HMGN2P28	-0.18	8.38E-01	8.66E-01
UNC5C	-0.07	8.38E-01	8.66E-01
RP1-221C16.8	-0.13	8.38E-01	8.66E-01
NDUFA9P1	0.12	8.38E-01	8.66E-01
RP11-317J9.1	0.21	8.38E-01	8.66E-01
OXSR1	0.02	8.38E-01	8.66E-01
AF064860.5	0.30	8.38E-01	8.66E-01
PBK	-0.05	8.38E-01	8.66E-01
RP11-367G6.3	-0.20	8.39E-01	8.66E-01
KLK7	0.05	8.39E-01	8.67E-01
CTB-32O4.3	0.19	8.39E-01	8.67E-01
RMRPP2	0.07	8.39E-01	8.67E-01
RP11-414H17.5	-0.16	8.39E-01	8.67E-01
ABI1	-0.02	8.39E-01	8.67E-01
FAM161B	0.03	8.39E-01	8.67E-01
RP11-314A20.1	-0.23	8.39E-01	8.67E-01
RP11-435O5.7	-0.11	8.40E-01	8.67E-01
NCMAP	-0.14	8.40E-01	8.67E-01
RP11-296E3.2	-0.21	8.40E-01	8.68E-01
AC005363.11	-0.22	8.40E-01	8.68E-01
MEST	-0.08	8.40E-01	8.68E-01
ASB12	0.19	8.40E-01	8.68E-01
RP11-68I3.5	-0.14	8.40E-01	8.68E-01
RP11-15F12.6	0.18	8.40E-01	8.68E-01
PDCL3P4	-0.10	8.41E-01	8.68E-01
RP11-671E7.1	-0.16	8.41E-01	8.68E-01
GGPS1	0.03	8.41E-01	8.69E-01
ODF2L	0.04	8.41E-01	8.69E-01
RP11-512F24.1	0.16	8.41E-01	8.69E-01
RP11-145M9.6	-0.15	8.41E-01	8.69E-01
SERP1	0.03	8.42E-01	8.69E-01

G33807	0.14	8.42E-01	8.69E-01
ANGPT4	0.09	8.42E-01	8.69E-01
MIR4263	0.14	8.42E-01	8.69E-01
RP11-428L9.2	0.24	8.42E-01	8.69E-01
RP3-508I15.21	-0.11	8.42E-01	8.69E-01
RP11-404F10.2	0.19	8.42E-01	8.69E-01
DNAH17	0.08	8.42E-01	8.69E-01
ZCCHC14	-0.02	8.42E-01	8.69E-01
DOCK4	-0.05	8.42E-01	8.69E-01
FAM86FP	0.06	8.42E-01	8.69E-01
U73166.2	-0.10	8.43E-01	8.70E-01
PFKFB1	0.08	8.43E-01	8.70E-01
RP11-876N24.4	0.06	8.43E-01	8.70E-01
ZBED5-AS1	-0.04	8.43E-01	8.70E-01
RP11-298D21.3	-0.14	8.43E-01	8.70E-01
DUSP5P1	-0.15	8.44E-01	8.70E-01
NUP62CL	-0.05	8.44E-01	8.70E-01
PCP4	0.14	8.44E-01	8.71E-01
AC068831.6	-0.09	8.44E-01	8.71E-01
TCAP	0.07	8.44E-01	8.71E-01
STAG3L2	0.05	8.45E-01	8.71E-01
PRKAG3	0.17	8.45E-01	8.72E-01
CPVL	0.07	8.45E-01	8.72E-01
CTD-2024I7.18	0.11	8.45E-01	8.72E-01
TUBD1	0.03	8.46E-01	8.72E-01
NGRN	0.03	8.46E-01	8.72E-01
LINC01108	0.21	8.46E-01	8.72E-01
CTD-2292P10.4	0.08	8.46E-01	8.73E-01
LA16c-429E7.1	-0.10	8.46E-01	8.73E-01
C12orf54	0.11	8.46E-01	8.73E-01
WARS2-IT1	0.09	8.46E-01	8.73E-01
GTF2H2C	0.05	8.46E-01	8.73E-01
DSN1	0.03	8.46E-01	8.73E-01
PART1	-0.04	8.46E-01	8.73E-01
KRTAP5-3	0.38	8.46E-01	8.73E-01
HSD17B3	-0.17	8.47E-01	8.73E-01
LINC01561	0.19	8.47E-01	8.73E-01
DCTN6	-0.03	8.47E-01	8.73E-01
RP11-586K2.1	-0.23	8.47E-01	8.73E-01
RP4-671O14.7	-0.23	8.47E-01	8.73E-01
RP11-554D15.3	0.17	8.47E-01	8.73E-01
TNFRSF10A	-0.04	8.47E-01	8.73E-01
OR2A20P	0.14	8.47E-01	8.73E-01
DPH5	0.03	8.47E-01	8.74E-01
RPL3P7	-0.18	8.47E-01	8.74E-01

UBXN10-AS1	0.17	8.47E-01	8.74E-01
SPINK2	-0.14	8.47E-01	8.74E-01
AC116035.1	0.17	8.48E-01	8.74E-01
RPS4X	0.03	8.48E-01	8.74E-01
C12orf73	-0.03	8.48E-01	8.74E-01
RP11-314C16.1	0.09	8.48E-01	8.74E-01
ACSM4	-0.13	8.48E-01	8.74E-01
CTC-332L22.1	0.13	8.48E-01	8.74E-01
RP11-436G20.1	-0.31	8.48E-01	8.74E-01
RP11-314A20.2	0.21	8.48E-01	8.74E-01
PDXDC1	0.02	8.48E-01	8.74E-01
FAM71D	-0.12	8.49E-01	8.74E-01
FAM19A5	0.07	8.49E-01	8.75E-01
PREP	-0.03	8.49E-01	8.75E-01
RAB40A	0.08	8.49E-01	8.75E-01
GOLGA8O	-0.12	8.49E-01	8.75E-01
AC016995.3	0.07	8.50E-01	8.76E-01
AC008171.1	-0.20	8.50E-01	8.76E-01
KCNH2	0.12	8.50E-01	8.76E-01
RP11-120K24.5	-0.14	8.50E-01	8.76E-01
PIWIL1	0.17	8.51E-01	8.76E-01
RP11-407N17.5	-0.09	8.51E-01	8.76E-01
NME1	-0.03	8.51E-01	8.76E-01
MYO1E	-0.02	8.51E-01	8.77E-01
CTB-113P19.4	-0.07	8.51E-01	8.77E-01
SNF8	-0.02	8.51E-01	8.77E-01
PPEF1	0.08	8.51E-01	8.77E-01
CCDC183	0.07	8.51E-01	8.77E-01
CBX1P1	0.23	8.51E-01	8.77E-01
PITPNA-AS1	-0.11	8.51E-01	8.77E-01
RP11-295D4.3	-0.11	8.52E-01	8.77E-01
NUFIP1	0.03	8.52E-01	8.77E-01
CCDC13-AS1	-0.17	8.52E-01	8.77E-01
CTC-523E23.5	0.09	8.52E-01	8.77E-01
TPMT	-0.03	8.52E-01	8.77E-01
CYP4F2	-0.14	8.52E-01	8.78E-01
IL1RAPL2	0.22	8.52E-01	8.78E-01
SLCO3A1	0.03	8.52E-01	8.78E-01
RP11-1060J15.5	-0.20	8.52E-01	8.78E-01
WASH5P	0.09	8.53E-01	8.78E-01
LINC01361	-0.19	8.53E-01	8.79E-01
AC092431.3	0.14	8.54E-01	8.79E-01
BRD1	-0.02	8.54E-01	8.79E-01
ACTG1P17	-0.12	8.54E-01	8.79E-01
G36224	-0.12	8.54E-01	8.79E-01

HOXA5	0.07	8.54E-01	8.79E-01
CEND1	0.08	8.54E-01	8.79E-01
CNGA4	-0.19	8.54E-01	8.79E-01
SIGLEC17P	0.12	8.54E-01	8.79E-01
ZNF592	-0.02	8.54E-01	8.79E-01
RBMS3	-0.06	8.54E-01	8.79E-01
RPS10L	0.10	8.54E-01	8.79E-01
RP11-977G19.5	-0.07	8.55E-01	8.80E-01
CADM1	0.04	8.55E-01	8.80E-01
C10orf82	0.10	8.55E-01	8.80E-01
AC005224.2	-0.08	8.55E-01	8.80E-01
IFI30	-0.10	8.55E-01	8.80E-01
TNNI1	-0.05	8.55E-01	8.80E-01
RP11-47I22.2	0.09	8.56E-01	8.80E-01
CHRNA5	0.09	8.56E-01	8.80E-01
RP11-153K11.3	-0.23	8.56E-01	8.80E-01
FAM157A	0.08	8.56E-01	8.80E-01
LYRM2	0.02	8.56E-01	8.81E-01
PRSS50	-0.19	8.56E-01	8.81E-01
RP11-303E16.5	-0.19	8.56E-01	8.81E-01
APCDD1L	-0.07	8.57E-01	8.81E-01
TACC1	-0.04	8.57E-01	8.81E-01
NDUFS4	0.03	8.57E-01	8.81E-01
INTS4	-0.02	8.57E-01	8.81E-01
XLOC_005046	-0.17	8.57E-01	8.82E-01
KIN	-0.02	8.57E-01	8.82E-01
PGPEP1L	-0.15	8.57E-01	8.82E-01
XLOC_007047	0.17	8.58E-01	8.82E-01
KANSL3	0.02	8.58E-01	8.82E-01
RP11-176H8.1	-0.08	8.58E-01	8.82E-01
CKMT2	-0.07	8.58E-01	8.83E-01
LBX2	0.09	8.58E-01	8.83E-01
LINC00330	-0.21	8.59E-01	8.83E-01
RPS4XP1	-0.17	8.59E-01	8.83E-01
RPAIN	-0.04	8.59E-01	8.83E-01
FAM210A	0.02	8.59E-01	8.83E-01
DDX11-AS1	0.09	8.59E-01	8.84E-01
ETFA	-0.02	8.59E-01	8.84E-01
IQGAP3	-0.04	8.59E-01	8.84E-01
RP11-598F7.4	0.18	8.60E-01	8.84E-01
AC068831.10	-0.11	8.60E-01	8.84E-01
RUBCN	0.02	8.60E-01	8.84E-01
FARSB	0.02	8.60E-01	8.84E-01
CTD-2224J9.8	0.18	8.60E-01	8.84E-01
TARS	-0.03	8.60E-01	8.84E-01

CERS3	-0.03	8.60E-01	8.84E-01
AP000344.4	0.10	8.60E-01	8.84E-01
STIM2	0.02	8.61E-01	8.85E-01
DACH1	-0.07	8.61E-01	8.85E-01
PIK3IP1-AS1	0.09	8.61E-01	8.85E-01
COA1	-0.02	8.61E-01	8.85E-01
PCDHGB2	-0.05	8.61E-01	8.85E-01
ZNF7	0.02	8.61E-01	8.85E-01
ART4	-0.09	8.62E-01	8.86E-01
CTC-439O9.1	-0.15	8.62E-01	8.86E-01
PEAK1	0.03	8.63E-01	8.86E-01
RP5-1115A15.2	0.17	8.63E-01	8.86E-01
DDX5	0.02	8.63E-01	8.87E-01
G2196	0.16	8.63E-01	8.87E-01
DNM1	0.07	8.63E-01	8.87E-01
RP1-159A19.3	0.15	8.63E-01	8.87E-01
ZNF846	0.03	8.63E-01	8.87E-01
C1QTNF1-AS1	0.14	8.63E-01	8.87E-01
TACR3	-0.17	8.64E-01	8.87E-01
KIAA0556	-0.02	8.64E-01	8.87E-01
TEN1-CDK3	0.08	8.64E-01	8.87E-01
PSMA3	0.02	8.64E-01	8.87E-01
AC093159.1	0.16	8.64E-01	8.88E-01
G8415	0.15	8.64E-01	8.88E-01
AC141928.1	0.09	8.64E-01	8.88E-01
RP1	0.15	8.64E-01	8.88E-01
RPL7AP28	-0.12	8.64E-01	8.88E-01
ZNF222	0.03	8.64E-01	8.88E-01
SBDS	-0.03	8.64E-01	8.88E-01
PPP1CC	-0.02	8.65E-01	8.88E-01
CYP26C1	0.17	8.65E-01	8.88E-01
MRPL3	-0.03	8.65E-01	8.88E-01
RP13-104F24.3	0.05	8.65E-01	8.88E-01
RP11-770E5.1	-0.08	8.65E-01	8.89E-01
G25996	0.12	8.65E-01	8.89E-01
FAM72B	0.05	8.66E-01	8.89E-01
RNF20	0.02	8.66E-01	8.89E-01
NPM1P39	0.16	8.66E-01	8.89E-01
LMO7-AS1	0.10	8.66E-01	8.89E-01
NUAK2	0.04	8.66E-01	8.90E-01
AP001610.5	-0.16	8.67E-01	8.90E-01
CRYM	-0.05	8.67E-01	8.90E-01
NSL1	-0.03	8.67E-01	8.90E-01
DFNB59	-0.06	8.67E-01	8.90E-01
CTD-2537I9.18	-0.09	8.67E-01	8.90E-01

RP11-277A4.4	0.08	8.67E-01	8.90E-01
HUS1	-0.02	8.67E-01	8.90E-01
CTB-31O20.4	-0.07	8.67E-01	8.90E-01
SOX1	-0.08	8.67E-01	8.90E-01
C14orf80	-0.05	8.67E-01	8.90E-01
RNU6ATAC39P	-0.14	8.67E-01	8.90E-01
ANKRD2	0.07	8.68E-01	8.90E-01
UBE2R2-AS1	0.07	8.68E-01	8.90E-01
BLOC1S6	0.02	8.68E-01	8.91E-01
AC006369.2	0.16	8.68E-01	8.91E-01
TSR1	-0.02	8.68E-01	8.91E-01
ATE1-AS1	0.09	8.68E-01	8.91E-01
OR7E22P	-0.15	8.68E-01	8.91E-01
NAT1	0.03	8.68E-01	8.91E-01
RP11-867G23.12	-0.11	8.69E-01	8.91E-01
RP11-76P2.4	0.13	8.69E-01	8.91E-01
RP11-99E15.2	0.19	8.69E-01	8.92E-01
MIR155HG	-0.07	8.70E-01	8.92E-01
KIRREL3	0.08	8.70E-01	8.92E-01
AC002454.1	-0.15	8.70E-01	8.92E-01
XLOC_008855	0.09	8.70E-01	8.92E-01
XLOC_010097	-0.06	8.70E-01	8.92E-01
RPL3L	-0.08	8.71E-01	8.93E-01
SNHG21	0.07	8.71E-01	8.93E-01
MRGPRX1	0.23	8.71E-01	8.93E-01
LINC00535	0.18	8.71E-01	8.94E-01
CTD-3252C9.2	-0.15	8.71E-01	8.94E-01
EPO	0.09	8.72E-01	8.94E-01
RP11-227G15.8	0.09	8.72E-01	8.94E-01
BDKRB1	0.04	8.72E-01	8.95E-01
GCSHP5	0.13	8.73E-01	8.95E-01
RAB2A	0.03	8.73E-01	8.95E-01
TMEM221	0.07	8.73E-01	8.95E-01
MTA2	-0.02	8.73E-01	8.96E-01
KANK4	0.07	8.74E-01	8.96E-01
NOP14	-0.02	8.74E-01	8.96E-01
XLOC_002973	-0.15	8.74E-01	8.96E-01
RP5-1116H23.5	0.15	8.74E-01	8.96E-01
LINC00266-1	0.15	8.74E-01	8.96E-01
PLEKHG5	0.04	8.74E-01	8.96E-01
MAP7D2	0.05	8.75E-01	8.96E-01
G16268	-0.06	8.75E-01	8.97E-01
HJURP	0.04	8.75E-01	8.97E-01
RPL7AP26	-0.17	8.75E-01	8.97E-01
GLDC	-0.15	8.75E-01	8.97E-01

RN7SL721P	-0.12	8.75E-01	8.97E-01
RP3-510D11.4	0.13	8.75E-01	8.97E-01
RP11-650L12.2	0.08	8.75E-01	8.97E-01
RP11-626G11.6	-0.05	8.75E-01	8.97E-01
RSRC2	-0.02	8.75E-01	8.97E-01
RNU7-45P	-0.08	8.75E-01	8.97E-01
HNRNPA1P10	0.05	8.76E-01	8.97E-01
AANAT	-0.10	8.76E-01	8.98E-01
ZNF554	0.03	8.76E-01	8.98E-01
TMOD1	0.04	8.76E-01	8.98E-01
CTD-2396E7.11	-0.03	8.76E-01	8.98E-01
EIF1AY	0.17	8.76E-01	8.98E-01
RP11-372K14.2	-0.05	8.77E-01	8.98E-01
XLOC_005166	0.15	8.77E-01	8.98E-01
IPCEF1	-0.04	8.77E-01	8.98E-01
RP11-359E3.4	-0.05	8.77E-01	8.98E-01
EID1	0.04	8.77E-01	8.98E-01
RTN4RL1	-0.03	8.77E-01	8.99E-01
RP11-108M9.5	0.11	8.77E-01	8.99E-01
HERC2P9	-0.03	8.78E-01	8.99E-01
SLC37A1	0.03	8.78E-01	8.99E-01
KRT222	-0.11	8.78E-01	8.99E-01
ZC3H15	-0.02	8.78E-01	8.99E-01
TCEAL8	0.03	8.78E-01	8.99E-01
GALNT15	0.10	8.78E-01	8.99E-01
G8687	-0.14	8.78E-01	8.99E-01
AC092573.2	-0.07	8.79E-01	9.00E-01
NOMO3	-0.06	8.79E-01	9.00E-01
XLOC_001907	-0.15	8.79E-01	9.00E-01
EXOSC9	-0.02	8.79E-01	9.00E-01
ACTN2	0.09	8.79E-01	9.00E-01
STK10	0.03	8.79E-01	9.00E-01
XRCC3	0.04	8.79E-01	9.00E-01
ZNF341-AS1	-0.11	8.79E-01	9.00E-01
B3GNT5	0.03	8.79E-01	9.00E-01
AC004069.2	-0.10	8.80E-01	9.01E-01
G5553	0.14	8.80E-01	9.01E-01
AC002310.12	-0.05	8.80E-01	9.01E-01
LINC01220	0.15	8.80E-01	9.01E-01
BAZ1B	0.01	8.81E-01	9.01E-01
USP40	0.02	8.81E-01	9.01E-01
EIF4B	-0.02	8.81E-01	9.01E-01
TM4SF19-AS1	0.09	8.81E-01	9.02E-01
SPATA32	-0.13	8.81E-01	9.02E-01
CELSR2	0.04	8.81E-01	9.02E-01

AC118754.4	0.11	8.82E-01	9.02E-01
RP1-197B17.4	0.11	8.82E-01	9.03E-01
THCAT158	0.09	8.82E-01	9.03E-01
RP11-599B13.3	0.14	8.82E-01	9.03E-01
GET4	-0.04	8.82E-01	9.03E-01
CES1P1	0.14	8.82E-01	9.03E-01
PPL	-0.03	8.83E-01	9.03E-01
ZYG11A	-0.06	8.83E-01	9.04E-01
RP11-710C12.1	0.11	8.84E-01	9.04E-01
HSD17B2	-0.07	8.84E-01	9.04E-01
LINC01214	0.05	8.84E-01	9.04E-01
SUMO2P1	0.10	8.84E-01	9.05E-01
RNU4-80P	-0.14	8.84E-01	9.05E-01
LIPG	-0.06	8.85E-01	9.05E-01
DNAH10	0.05	8.85E-01	9.05E-01
SKP1P1	-0.06	8.85E-01	9.05E-01
SLC16A8	0.06	8.85E-01	9.05E-01
GDNF-AS1	0.09	8.85E-01	9.05E-01
RP11-635N19.1	0.05	8.85E-01	9.06E-01
RP11-85B7.4	-0.15	8.85E-01	9.06E-01
C2orf50	-0.15	8.86E-01	9.06E-01
ZFP57	0.24	8.86E-01	9.06E-01
BRICD5	-0.07	8.86E-01	9.06E-01
MGAT3-AS1	-0.13	8.86E-01	9.06E-01
ITGB3	0.05	8.86E-01	9.06E-01
XLOC_002066	-0.07	8.86E-01	9.06E-01
RP1-102K2.9	-0.11	8.86E-01	9.06E-01
KLHL23	-0.03	8.87E-01	9.07E-01
SNORD114-3	0.15	8.87E-01	9.07E-01
NDP	-0.09	8.87E-01	9.07E-01
RP13-270P17.2	-0.07	8.87E-01	9.07E-01
INTS4P1	-0.09	8.87E-01	9.07E-01
RP11-333I13.1	0.06	8.87E-01	9.07E-01
CCT4	-0.02	8.88E-01	9.08E-01
G2077	-0.16	8.88E-01	9.08E-01
SEPT14P4	-0.14	8.88E-01	9.08E-01
RP11-502M1.2	-0.14	8.88E-01	9.08E-01
TMEM91	0.06	8.88E-01	9.08E-01
IGHV3-15	-0.19	8.88E-01	9.08E-01
PPIAP31	-0.09	8.89E-01	9.08E-01
CLDN24	0.12	8.89E-01	9.08E-01
ATF1	-0.02	8.89E-01	9.08E-01
DIAPH1	-0.03	8.89E-01	9.08E-01
G25704	0.10	8.89E-01	9.08E-01
XLOC_008811	-0.15	8.89E-01	9.09E-01

XLOC_010266	0.16	8.89E-01	9.09E-01
BIRC2	-0.01	8.90E-01	9.09E-01
RASSF2	0.04	8.90E-01	9.10E-01
ANKRD7	-0.12	8.90E-01	9.10E-01
TFEC	0.07	8.90E-01	9.10E-01
SEPT7P2	-0.02	8.91E-01	9.10E-01
RP11-626G11.4	0.08	8.91E-01	9.10E-01
NDUFA4	-0.02	8.91E-01	9.10E-01
KB-208E9.1	0.11	8.91E-01	9.11E-01
SEC24C	0.01	8.91E-01	9.11E-01
SLC7A6OS	-0.02	8.91E-01	9.11E-01
RP11-304L19.13	0.06	8.91E-01	9.11E-01
OIP5	0.04	8.92E-01	9.11E-01
RP11-111F5.3	-0.15	8.92E-01	9.12E-01
RP5-1172N10.2	-0.16	8.92E-01	9.12E-01
RP11-177J6.1	-0.08	8.93E-01	9.12E-01
ASNSP6	-0.10	8.93E-01	9.12E-01
MSANTD2	-0.02	8.93E-01	9.12E-01
AL161645.2	-0.11	8.93E-01	9.12E-01
CENPV	0.04	8.94E-01	9.13E-01
LY9	0.06	8.94E-01	9.13E-01
RP11-77I22.2	-0.07	8.94E-01	9.13E-01
TRIM44	-0.01	8.94E-01	9.13E-01
PKD1	-0.02	8.94E-01	9.13E-01
RALY-AS1	0.04	8.94E-01	9.13E-01
RP11-483I13.6	0.09	8.94E-01	9.13E-01
XLOC_007992	-0.09	8.95E-01	9.14E-01
RP11-366M4.11	-0.08	8.95E-01	9.14E-01
IFIT5	-0.03	8.95E-01	9.14E-01
SC5D	0.04	8.95E-01	9.14E-01
RP1-101D8.1	0.14	8.95E-01	9.14E-01
RP5-998N21.4	0.14	8.95E-01	9.14E-01
RP11-359P5.1	-0.12	8.96E-01	9.14E-01
LYSMD4	-0.02	8.96E-01	9.14E-01
LINC01152	-0.10	8.96E-01	9.14E-01
OTOP2	-0.09	8.96E-01	9.14E-01
PWP1	0.02	8.96E-01	9.15E-01
FAM106A	-0.14	8.96E-01	9.15E-01
GAS2L2	-0.06	8.96E-01	9.15E-01
FAM120AOS	0.01	8.96E-01	9.15E-01
RP11-114M1.2	0.10	8.97E-01	9.15E-01
XKR9	0.08	8.97E-01	9.15E-01
OGFR-AS1	0.09	8.97E-01	9.15E-01
LBHD1	-0.05	8.97E-01	9.15E-01
PPM1K	-0.05	8.97E-01	9.15E-01

RP11-129M16.4	0.04	8.97E-01	9.16E-01
SPAG6	-0.12	8.97E-01	9.16E-01
TMLHE-AS1	-0.11	8.98E-01	9.16E-01
RP3-414A15.12	0.07	8.98E-01	9.16E-01
TRMT61B	0.02	8.98E-01	9.17E-01
RP11-501J20.5	-0.09	8.98E-01	9.17E-01
CTB-63M22.1	0.03	8.99E-01	9.17E-01
SLC38A4	-0.04	8.99E-01	9.17E-01
RP11-1275H24.1	0.03	8.99E-01	9.17E-01
CTB-58E17.9	-0.18	8.99E-01	9.17E-01
ARHGEF38	-0.07	8.99E-01	9.17E-01
PTGS2	0.05	8.99E-01	9.17E-01
AP003068.18	-0.06	8.99E-01	9.17E-01
MYBPH	0.12	9.00E-01	9.18E-01
AC009404.2	0.04	9.00E-01	9.18E-01
C1orf186	-0.05	9.00E-01	9.18E-01
HSPE1P5	-0.09	9.00E-01	9.18E-01
TMEM126A	0.02	9.00E-01	9.18E-01
FBN1	-0.07	9.00E-01	9.18E-01
AOX1	-0.07	9.00E-01	9.18E-01
RP11-731C17.2	0.03	9.00E-01	9.18E-01
ZNF641	-0.02	9.01E-01	9.19E-01
PMS2P2	-0.08	9.01E-01	9.19E-01
STAU2-AS1	-0.08	9.01E-01	9.19E-01
CFAP54	0.08	9.01E-01	9.19E-01
PTMAP2	-0.03	9.02E-01	9.19E-01
CICP14	-0.03	9.02E-01	9.19E-01
PFN4	0.05	9.02E-01	9.19E-01
AGPAT4	0.03	9.02E-01	9.20E-01
G16276	0.10	9.02E-01	9.20E-01
TYW1B	-0.04	9.02E-01	9.20E-01
RNU6-1111P	0.09	9.02E-01	9.20E-01
RP6-91H8.5	-0.14	9.02E-01	9.20E-01
MYOCD	0.05	9.02E-01	9.20E-01
Z69720.3	-0.13	9.03E-01	9.20E-01
STMND1	0.15	9.03E-01	9.21E-01
RP11-30B1.1	0.09	9.03E-01	9.21E-01
AGAP9	-0.07	9.03E-01	9.21E-01
KIAA0922	0.02	9.03E-01	9.21E-01
TRIM15	0.08	9.04E-01	9.21E-01
RN7SKP150	0.12	9.04E-01	9.21E-01
HSPA8P14	0.10	9.04E-01	9.21E-01
PBLD	-0.02	9.04E-01	9.21E-01
PCDHA3	-0.08	9.04E-01	9.22E-01
RP11-686D22.7	0.05	9.04E-01	9.22E-01

RP11-89B16.1	0.09	9.05E-01	9.22E-01
DUOXA2	0.04	9.05E-01	9.22E-01
AP1S3	-0.03	9.05E-01	9.22E-01
PHBP19	0.08	9.05E-01	9.22E-01
HNRNPUL2-BSCL2	-0.09	9.05E-01	9.23E-01
AC024580.1	0.09	9.06E-01	9.23E-01
CCT6A	-0.02	9.06E-01	9.23E-01
G35086	-0.05	9.06E-01	9.23E-01
TAF7	-0.02	9.06E-01	9.23E-01
TMLHE	0.02	9.07E-01	9.24E-01
MTFR1	-0.01	9.07E-01	9.24E-01
PLIN2	0.04	9.07E-01	9.24E-01
COX7C	-0.02	9.07E-01	9.24E-01
RP11-308D13.3	0.06	9.08E-01	9.25E-01
RNF224	-0.05	9.08E-01	9.25E-01
AC004951.5	0.05	9.08E-01	9.25E-01
IP6K3	0.09	9.08E-01	9.25E-01
CA6	-0.08	9.08E-01	9.25E-01
RP11-490H24.5	0.08	9.08E-01	9.25E-01
AC005753.1	-0.11	9.08E-01	9.25E-01
LRRC66	0.06	9.08E-01	9.25E-01
NME6	0.01	9.08E-01	9.25E-01
RP11-676M6.1	0.04	9.09E-01	9.25E-01
CTB-32O4.2	0.07	9.09E-01	9.25E-01
TLR4	-0.05	9.09E-01	9.26E-01
ZDHHC8P1	0.05	9.09E-01	9.26E-01
FASTKD5	-0.02	9.09E-01	9.26E-01
RP11-152F13.7	-0.06	9.09E-01	9.26E-01
CTD-2035E11.4	-0.07	9.09E-01	9.26E-01
PCDHGA12	0.04	9.09E-01	9.26E-01
MRPL47	-0.02	9.09E-01	9.26E-01
IFT57	-0.02	9.09E-01	9.26E-01
KB-173C10.2	0.06	9.10E-01	9.26E-01
RP11-756G20.1	0.09	9.10E-01	9.26E-01
RP11-180P8.5	0.13	9.10E-01	9.26E-01
SVIL	0.01	9.10E-01	9.27E-01
SET	0.02	9.11E-01	9.27E-01
PLA2G4F	0.03	9.11E-01	9.27E-01
PIP	-0.21	9.11E-01	9.27E-01
MYH3	-0.03	9.11E-01	9.27E-01
TNRC6C	0.02	9.11E-01	9.27E-01
MAP3K8	-0.02	9.11E-01	9.27E-01
HOTAIRM1	0.02	9.11E-01	9.27E-01
RP11-730A19.9	-0.07	9.11E-01	9.27E-01
DARS-AS1	0.03	9.12E-01	9.28E-01

CEBPA	-0.03	9.12E-01	9.28E-01
PROSER1	0.02	9.12E-01	9.28E-01
MRPL35	-0.01	9.12E-01	9.28E-01
RRN3P2	0.06	9.12E-01	9.28E-01
RP11-121A8.1	-0.06	9.12E-01	9.28E-01
NPAS3	0.04	9.12E-01	9.28E-01
RP11-246A10.1	0.06	9.13E-01	9.28E-01
RP11-44N11.3	-0.11	9.13E-01	9.29E-01
ASPDH	-0.05	9.13E-01	9.29E-01
CTA-305I2.1	0.07	9.13E-01	9.29E-01
RP11-436K8.1	0.08	9.13E-01	9.29E-01
RSF1	-0.01	9.13E-01	9.29E-01
GRIK2	0.08	9.13E-01	9.29E-01
RP11-211G23.2	-0.09	9.13E-01	9.29E-01
ZNF821	0.02	9.14E-01	9.29E-01
ARGLU1	-0.02	9.14E-01	9.29E-01
TXNDC15	-0.02	9.14E-01	9.29E-01
ERMN	0.07	9.14E-01	9.29E-01
NCKAP5	-0.02	9.14E-01	9.29E-01
TMEM123	0.02	9.14E-01	9.29E-01
KCNC4	0.03	9.14E-01	9.30E-01
HADH	0.02	9.15E-01	9.30E-01
CTD-3035K23.7	0.04	9.15E-01	9.30E-01
RPS3AP43	-0.12	9.15E-01	9.30E-01
BMP5	0.08	9.15E-01	9.30E-01
GRIN2C	-0.05	9.15E-01	9.30E-01
MINPP1	-0.02	9.16E-01	9.31E-01
RP11-307L14.1	-0.04	9.16E-01	9.32E-01
SRCIN1	0.03	9.17E-01	9.32E-01
CHAC2	0.03	9.17E-01	9.32E-01
TRMT6	0.02	9.17E-01	9.32E-01
XLOC_002825	0.13	9.17E-01	9.32E-01
SOWAHC	0.02	9.17E-01	9.32E-01
CTC-457L16.1	0.11	9.17E-01	9.32E-01
hsa-mir-3149	0.10	9.18E-01	9.33E-01
PRKXP1	0.04	9.18E-01	9.33E-01
G34277	0.05	9.18E-01	9.33E-01
RP11-339B21.8	0.09	9.18E-01	9.33E-01
P3H2-AS1	-0.10	9.18E-01	9.33E-01
RP11-259O18.5	0.12	9.18E-01	9.33E-01
RP11-490M8.1	-0.02	9.18E-01	9.33E-01
RALGDS	-0.02	9.18E-01	9.33E-01
RP13-753N3.1	0.05	9.18E-01	9.33E-01
RP11-496I9.1	0.08	9.18E-01	9.33E-01
CEP104	-0.01	9.18E-01	9.33E-01

RP11-497H16.2	-0.11	9.19E-01	9.34E-01
ANKRD55	0.05	9.19E-01	9.34E-01
RP11-498P14.3	0.05	9.19E-01	9.34E-01
REEP1	-0.02	9.19E-01	9.34E-01
CTD-2554C21.1	0.10	9.19E-01	9.34E-01
XLOC_014403	-0.09	9.20E-01	9.34E-01
RPL7P23	-0.05	9.20E-01	9.34E-01
XLOC_007243	-0.14	9.20E-01	9.35E-01
RP11-358B23.1	-0.08	9.20E-01	9.35E-01
CTD-2554C21.2	-0.04	9.20E-01	9.35E-01
HPN	-0.08	9.20E-01	9.35E-01
RPL34	-0.02	9.20E-01	9.35E-01
CACNA1E	-0.06	9.21E-01	9.35E-01
XLOC_004680	0.08	9.21E-01	9.35E-01
MRAP2	0.03	9.21E-01	9.36E-01
CMTM2	0.06	9.21E-01	9.36E-01
COG1	0.01	9.21E-01	9.36E-01
CTC-786C10.1	0.05	9.22E-01	9.36E-01
RP11-535M15.2	0.08	9.22E-01	9.36E-01
RP4-756G23.5	-0.04	9.22E-01	9.36E-01
FLJ30679	-0.09	9.22E-01	9.36E-01
RP11-245P10.4	0.05	9.22E-01	9.36E-01
RP11-875O11.2	0.08	9.22E-01	9.36E-01
AC144652.1	0.05	9.22E-01	9.36E-01
RPL7L1	0.01	9.22E-01	9.37E-01
AC022182.1	0.07	9.23E-01	9.37E-01
H2AFZ	-0.02	9.23E-01	9.37E-01
PBX4	0.02	9.23E-01	9.37E-01
MIR4728	0.12	9.23E-01	9.37E-01
PLIN5	-0.08	9.23E-01	9.37E-01
LINC00668	-0.08	9.24E-01	9.38E-01
MEIS1-AS3	0.09	9.24E-01	9.38E-01
AC004158.3	-0.09	9.24E-01	9.38E-01
TRIP13	-0.02	9.24E-01	9.38E-01
KLK5	0.02	9.24E-01	9.38E-01
RP11-298I3.6	0.05	9.24E-01	9.38E-01
RP1-309F20.4	-0.09	9.24E-01	9.38E-01
BTBD9-AS1	-0.05	9.25E-01	9.38E-01
TRAV8-2	-0.12	9.25E-01	9.38E-01
RP11-407G23.4	-0.04	9.25E-01	9.38E-01
SLC23A1	-0.04	9.26E-01	9.39E-01
RP11-1252I4.2	0.09	9.26E-01	9.40E-01
RP11-62I21.1	-0.08	9.26E-01	9.40E-01
CTC-246B18.10	0.07	9.26E-01	9.40E-01
MGST1	0.07	9.26E-01	9.40E-01

RP11-1008C21.2	-0.03	9.26E-01	9.40E-01
XLOC_002005	-0.13	9.27E-01	9.40E-01
MT-RNR2	-0.06	9.27E-01	9.40E-01
G22953	0.04	9.27E-01	9.40E-01
HEMK1	-0.02	9.27E-01	9.40E-01
RP11-318C24.2	0.07	9.27E-01	9.40E-01
KB-1517D11.4	0.09	9.28E-01	9.41E-01
TMEM81	-0.02	9.28E-01	9.41E-01
RNA5SP370	-0.14	9.28E-01	9.41E-01
FOXD3-AS1	0.05	9.28E-01	9.41E-01
8-Mar	0.01	9.28E-01	9.41E-01
MIR4451	0.06	9.28E-01	9.41E-01
THBS3	-0.02	9.28E-01	9.42E-01
ZNF630	-0.02	9.29E-01	9.42E-01
PLEKHG6	-0.02	9.29E-01	9.42E-01
ASGR2	-0.03	9.29E-01	9.42E-01
PEX12	0.01	9.29E-01	9.42E-01
RP11-411K7.1	-0.02	9.29E-01	9.42E-01
RP11-408H1.3	0.06	9.29E-01	9.42E-01
IL1B	0.04	9.29E-01	9.43E-01
IGHA1	-0.08	9.30E-01	9.43E-01
FOLR3	-0.07	9.30E-01	9.43E-01
AC079354.3	0.09	9.30E-01	9.43E-01
RP11-567O18.1	-0.06	9.30E-01	9.43E-01
AP000255.6	-0.05	9.31E-01	9.43E-01
CCDC175	0.11	9.31E-01	9.44E-01
G26215	0.09	9.31E-01	9.44E-01
LINC00844	0.09	9.31E-01	9.44E-01
RP11-15B24.5	0.11	9.31E-01	9.44E-01
RP1-137D17.1	0.06	9.31E-01	9.44E-01
ZNF793-AS1	0.02	9.31E-01	9.44E-01
G7635	0.05	9.31E-01	9.44E-01
G31132	0.05	9.31E-01	9.44E-01
C5orf28	0.01	9.31E-01	9.44E-01
KIF18BP1	-0.07	9.31E-01	9.44E-01
AC002472.1	-0.08	9.31E-01	9.44E-01
SNRPCP3	0.06	9.32E-01	9.44E-01
SRD5A3-AS1	-0.03	9.32E-01	9.44E-01
RP11-524H19.2	0.05	9.32E-01	9.44E-01
RP11-488C13.6	-0.06	9.32E-01	9.45E-01
EML6	-0.03	9.32E-01	9.45E-01
RHOQP1	0.06	9.32E-01	9.45E-01
CTB-35F21.4	0.09	9.32E-01	9.45E-01
CPA5	-0.05	9.33E-01	9.45E-01
ERICH1-AS1	0.08	9.33E-01	9.45E-01

PDZPH1P	-0.09	9.33E-01	9.45E-01
CAPN8	0.06	9.33E-01	9.45E-01
RP11-528I4.2	-0.10	9.33E-01	9.45E-01
EFNB2	0.01	9.33E-01	9.45E-01
RPL9P29	-0.04	9.33E-01	9.45E-01
C5orf45	0.03	9.34E-01	9.46E-01
SRP14-AS1	0.02	9.34E-01	9.46E-01
XLOC_007866	0.08	9.34E-01	9.46E-01
ROBO1	-0.01	9.34E-01	9.46E-01
RP11-349H17.2	0.09	9.34E-01	9.46E-01
XLOC_013474	0.05	9.34E-01	9.46E-01
GSTM5	0.04	9.34E-01	9.46E-01
TCERG1L	-0.04	9.35E-01	9.47E-01
TTLL11-IT1	0.09	9.35E-01	9.47E-01
MIR1249	0.06	9.35E-01	9.47E-01
RP11-517O13.1	-0.06	9.35E-01	9.47E-01
NRBP2	-0.03	9.35E-01	9.47E-01
NPHP4	0.02	9.35E-01	9.47E-01
ZPR1	-0.01	9.35E-01	9.47E-01
HEBP2	-0.01	9.36E-01	9.47E-01
MIR621	-0.02	9.36E-01	9.47E-01
RDH5	0.03	9.36E-01	9.48E-01
NUAK1	-0.02	9.36E-01	9.48E-01
DNAH17-AS1	0.07	9.36E-01	9.48E-01
RPL9P7	-0.05	9.36E-01	9.48E-01
GLIS2-AS1	0.06	9.37E-01	9.49E-01
AP001627.1	0.08	9.37E-01	9.49E-01
CXCR1	0.04	9.38E-01	9.49E-01
DTX3L	0.01	9.38E-01	9.49E-01
MERTK	-0.04	9.38E-01	9.49E-01
RP11-963H4.3	0.06	9.38E-01	9.49E-01
RP11-296O14.3	-0.03	9.39E-01	9.50E-01
RP3-402G11.27	-0.04	9.39E-01	9.50E-01
APBA2	0.03	9.39E-01	9.50E-01
GAB2	-0.01	9.39E-01	9.50E-01
SLC27A6	0.04	9.39E-01	9.50E-01
ADGRD1	-0.03	9.39E-01	9.51E-01
RNASEH1	0.01	9.40E-01	9.51E-01
MXRA5	-0.02	9.40E-01	9.51E-01
LA16c-313F4.1	0.03	9.40E-01	9.51E-01
RPP21	0.03	9.40E-01	9.51E-01
HNRNPCP1	0.03	9.41E-01	9.52E-01
CYP4F29P	-0.08	9.41E-01	9.52E-01
RPS27A	-0.01	9.41E-01	9.52E-01
RP11-264B17.3	-0.07	9.41E-01	9.52E-01

RP11-384M15.3	-0.07	9.41E-01	9.52E-01
RNU4-68P	0.07	9.41E-01	9.52E-01
RPS27	0.01	9.41E-01	9.52E-01
MIPEPP3	0.02	9.41E-01	9.52E-01
G1580	-0.06	9.41E-01	9.52E-01
GRIA2	0.11	9.42E-01	9.53E-01
BZRAP1	-0.02	9.42E-01	9.53E-01
RN7SL378P	-0.06	9.42E-01	9.53E-01
RTEL1-TNFRSF6B	-0.04	9.42E-01	9.53E-01
RP11-465N4.4	-0.05	9.42E-01	9.53E-01
RP11-288L9.4	-0.07	9.42E-01	9.53E-01
RBM8B	0.06	9.42E-01	9.53E-01
CDC25A	-0.02	9.42E-01	9.53E-01
PABPC1L	-0.03	9.42E-01	9.53E-01
RP11-141O11.2	0.09	9.42E-01	9.53E-01
DPP4	0.03	9.43E-01	9.53E-01
LYPD5	0.02	9.43E-01	9.53E-01
FBXO41	0.01	9.43E-01	9.53E-01
AC068282.3	-0.03	9.43E-01	9.54E-01
COX19	0.01	9.43E-01	9.54E-01
RP13-317D12.3	-0.06	9.44E-01	9.54E-01
RPSAP69	-0.07	9.44E-01	9.54E-01
IQGAP2	0.03	9.44E-01	9.54E-01
CTD-2588E21.1	0.05	9.44E-01	9.54E-01
HAND2	0.03	9.44E-01	9.54E-01
KRT8P48	-0.08	9.44E-01	9.55E-01
EFCAB12	-0.05	9.44E-01	9.55E-01
DPY19L2	0.03	9.44E-01	9.55E-01
UBE2U	-0.07	9.45E-01	9.55E-01
G14802	-0.04	9.45E-01	9.55E-01
LINC01135	0.03	9.45E-01	9.55E-01
RP11-134O21.1	0.03	9.45E-01	9.55E-01
CATSPERD	-0.08	9.45E-01	9.55E-01
LLNLR-246C6.1	0.03	9.45E-01	9.56E-01
XLOC_011518	-0.04	9.45E-01	9.56E-01
SP6	0.01	9.46E-01	9.56E-01
FAM213A	0.02	9.46E-01	9.56E-01
G34509	-0.07	9.46E-01	9.56E-01
HCG23	-0.04	9.46E-01	9.56E-01
AC020571.3	-0.04	9.46E-01	9.56E-01
TMEM133	-0.01	9.46E-01	9.56E-01
PLCL2	0.02	9.46E-01	9.56E-01
RPS3AP26	0.02	9.46E-01	9.56E-01
RP11-597D13.7	-0.04	9.46E-01	9.56E-01
RP11-322E11.2	0.07	9.47E-01	9.57E-01

ABAT	0.02	9.47E-01	9.57E-01
TRAPPC9	-0.01	9.47E-01	9.57E-01
SUSD3	-0.02	9.48E-01	9.57E-01
RP11-640L9.1	-0.05	9.48E-01	9.58E-01
STARD5	0.01	9.48E-01	9.58E-01
RP11-353N14.2	-0.06	9.48E-01	9.58E-01
LYRM9	-0.01	9.49E-01	9.58E-01
LINC00923	0.07	9.49E-01	9.58E-01
GVQW2	-0.03	9.49E-01	9.58E-01
NGLY1	-0.01	9.49E-01	9.59E-01
OR7A5	-0.04	9.49E-01	9.59E-01
OCM	-0.05	9.50E-01	9.59E-01
CERK	-0.01	9.50E-01	9.59E-01
CTD-2372A4.1	-0.07	9.50E-01	9.59E-01
AARSD1	0.03	9.50E-01	9.59E-01
RNU6-925P	0.05	9.50E-01	9.59E-01
CTD-2110K23.1	-0.07	9.51E-01	9.60E-01
IGHG4	-0.16	9.51E-01	9.60E-01
RP11-561C5.4	0.05	9.51E-01	9.60E-01
PLPPR3	-0.06	9.51E-01	9.60E-01
RP11-350N15.4	-0.06	9.51E-01	9.60E-01
CTD-2278I10.4	-0.04	9.51E-01	9.60E-01
C15orf65	0.02	9.51E-01	9.60E-01
SPIRE1	-0.01	9.51E-01	9.60E-01
CAMSAP1	0.01	9.52E-01	9.61E-01
ELAVL2	0.03	9.52E-01	9.61E-01
JPH3	-0.04	9.52E-01	9.61E-01
ATP5A1	0.01	9.52E-01	9.61E-01
RP11-706C16.8	0.06	9.52E-01	9.61E-01
RP11-276H19.2	-0.02	9.52E-01	9.61E-01
NPHP3-AS1	0.05	9.52E-01	9.61E-01
G511	-0.05	9.52E-01	9.61E-01
ZNF182	-0.01	9.52E-01	9.61E-01
AC022431.3	0.05	9.52E-01	9.61E-01
GAL3ST1	0.03	9.52E-01	9.61E-01
LTB4R2	0.01	9.53E-01	9.61E-01
AC022154.7	0.04	9.53E-01	9.61E-01
RP11-357D18.1	0.06	9.53E-01	9.62E-01
FGGY	-0.01	9.53E-01	9.62E-01
RP11-339B9.1	0.07	9.53E-01	9.62E-01
RPL21P75	-0.03	9.53E-01	9.62E-01
SPCS2P4	-0.02	9.53E-01	9.62E-01
CNOT6LP1	-0.03	9.54E-01	9.62E-01
NHLRC3	0.01	9.54E-01	9.62E-01
PAM16	0.02	9.54E-01	9.63E-01

RAD21-AS1	0.02	9.54E-01	9.63E-01
AL591025.1	-0.04	9.55E-01	9.63E-01
SAMHD1	-0.02	9.55E-01	9.63E-01
RP11-552F3.12	-0.05	9.55E-01	9.63E-01
WDR61	-0.01	9.55E-01	9.63E-01
CTNNB1	-0.01	9.55E-01	9.63E-01
CISD2	0.01	9.55E-01	9.63E-01
XLOC_005087	-0.05	9.56E-01	9.64E-01
RP11-783K16.5	0.05	9.56E-01	9.64E-01
MAP3K5	0.01	9.56E-01	9.64E-01
RPL41P5	0.02	9.56E-01	9.64E-01
XLOC_008975	0.04	9.57E-01	9.65E-01
LIPC	-0.03	9.57E-01	9.65E-01
SLC25A25-AS1	0.02	9.57E-01	9.65E-01
ACSS3	-0.02	9.57E-01	9.65E-01
RN7SL329P	0.04	9.58E-01	9.66E-01
RP5-1007F24.1	-0.04	9.58E-01	9.66E-01
SRPK2	0.01	9.58E-01	9.66E-01
G34668	0.04	9.58E-01	9.66E-01
NOG	0.04	9.58E-01	9.66E-01
AC006116.24	0.06	9.58E-01	9.66E-01
RP11-363J20.2	-0.03	9.58E-01	9.66E-01
FBXO39	-0.02	9.59E-01	9.66E-01
ZNF684	-0.01	9.59E-01	9.66E-01
RP4-669K10.8	0.02	9.59E-01	9.66E-01
OR5BA1P	0.03	9.59E-01	9.67E-01
XLOC_008955	0.03	9.60E-01	9.67E-01
MYCBPAP	0.02	9.60E-01	9.67E-01
RP11-666A8.7	-0.03	9.60E-01	9.67E-01
RP11-44N11.2	-0.03	9.60E-01	9.68E-01
DPM1	-0.01	9.60E-01	9.68E-01
POU5F1B	0.02	9.60E-01	9.68E-01
AC009961.2	-0.03	9.60E-01	9.68E-01
RP11-46A10.5	-0.02	9.60E-01	9.68E-01
ANXA9	0.01	9.61E-01	9.68E-01
AC006262.5	-0.03	9.61E-01	9.68E-01
TSEN15	-0.01	9.61E-01	9.68E-01
TBX19	0.01	9.61E-01	9.68E-01
LA16c-359F1.1	-0.04	9.61E-01	9.68E-01
RP11-49I11.1	0.05	9.62E-01	9.69E-01
AC005776.1	-0.03	9.62E-01	9.69E-01
RP11-64B16.2	0.01	9.62E-01	9.69E-01
RP11-429J17.8	0.03	9.62E-01	9.69E-01
HOXA6	0.02	9.63E-01	9.70E-01
GSTM1	-0.09	9.63E-01	9.70E-01

PLD5	0.03	9.63E-01	9.70E-01
G12586	-0.03	9.63E-01	9.70E-01
RP11-748H22.1	0.03	9.63E-01	9.70E-01
APMAP	0.02	9.64E-01	9.71E-01
SLC5A5	-0.05	9.64E-01	9.71E-01
PLCH2	0.01	9.64E-01	9.71E-01
FNTB	-0.01	9.64E-01	9.71E-01
TTLL3	0.02	9.64E-01	9.71E-01
PTPRJ-AS1	0.04	9.65E-01	9.71E-01
SOGA3	0.04	9.65E-01	9.72E-01
C9orf173-AS1	-0.03	9.66E-01	9.72E-01
IGSF9	0.01	9.66E-01	9.72E-01
PIGP	0.01	9.66E-01	9.72E-01
UBE2Q2P6	0.05	9.66E-01	9.73E-01
STAP1	0.02	9.66E-01	9.73E-01
CH17-140K24.6	0.02	9.66E-01	9.73E-01
RP11-313D6.3	-0.04	9.66E-01	9.73E-01
RP11-612B6.2	-0.01	9.67E-01	9.73E-01
LRRC29	0.01	9.67E-01	9.73E-01
NBPF12	-0.01	9.67E-01	9.73E-01
OLA1	-0.01	9.67E-01	9.73E-01
AL357115.1	0.04	9.67E-01	9.74E-01
SSC5D	-0.02	9.67E-01	9.74E-01
ZNF321P	-0.01	9.67E-01	9.74E-01
SLC6A10P	0.04	9.67E-01	9.74E-01
RP11-588G21.2	0.03	9.68E-01	9.74E-01
UG0898H09	-0.02	9.68E-01	9.74E-01
TH	-0.03	9.68E-01	9.74E-01
AC142472.6	0.01	9.68E-01	9.75E-01
RP11-430K21.2	-0.03	9.68E-01	9.75E-01
PCDHA5	-0.04	9.68E-01	9.75E-01
CTD-2583P5.3	0.03	9.69E-01	9.75E-01
KCTD17	-0.01	9.69E-01	9.75E-01
AC010136.2	0.04	9.69E-01	9.75E-01
HELT	-0.03	9.69E-01	9.75E-01
ENDOD1	-0.01	9.69E-01	9.75E-01
GATA1	-0.03	9.69E-01	9.75E-01
PPP1R12B	0.01	9.70E-01	9.76E-01
STAT1	-0.01	9.70E-01	9.76E-01
AC015815.6	-0.02	9.70E-01	9.76E-01
LINC01021	-0.05	9.70E-01	9.76E-01
HNRNPA1P5	0.02	9.70E-01	9.76E-01
CYCSP34	0.02	9.70E-01	9.76E-01
NRAP	0.04	9.70E-01	9.76E-01
NUDT6	0.01	9.70E-01	9.76E-01

RP11-497G19.7	-0.03	9.70E-01	9.76E-01
C12orf76	-0.01	9.70E-01	9.76E-01
G31554	-0.02	9.70E-01	9.76E-01
RP3-466P17.1	0.04	9.70E-01	9.76E-01
ST13P4	-0.02	9.70E-01	9.76E-01
AC004895.4	-0.04	9.70E-01	9.76E-01
RNA5SP490	-0.04	9.71E-01	9.76E-01
LCE2D	0.01	9.71E-01	9.76E-01
RAPSN	-0.02	9.71E-01	9.77E-01
RP11-553L6.5	0.01	9.71E-01	9.77E-01
KLHL12	0.00	9.71E-01	9.77E-01
PDIA2	0.03	9.72E-01	9.77E-01
AL132709.8	-0.02	9.72E-01	9.77E-01
IMPACT	-0.01	9.72E-01	9.77E-01
RP11-296E7.1	-0.03	9.72E-01	9.77E-01
SBDSP1	0.00	9.72E-01	9.77E-01
RP11-84C10.1	0.02	9.72E-01	9.77E-01
RP11-43P8.2	-0.02	9.72E-01	9.77E-01
RP11-110G21.2	-0.02	9.72E-01	9.78E-01
PDZD3	0.02	9.73E-01	9.78E-01
CTD-2280E9.1	-0.05	9.73E-01	9.78E-01
SLU7	0.00	9.73E-01	9.78E-01
CTD-2267D19.4	-0.03	9.73E-01	9.78E-01
ANKRD19P	0.01	9.73E-01	9.78E-01
LHB	-0.02	9.73E-01	9.79E-01
ABTB2	0.01	9.73E-01	9.79E-01
RP11-617F23.1	0.01	9.74E-01	9.79E-01
PTPN5	-0.02	9.74E-01	9.79E-01
RP4-529N6.1	0.02	9.74E-01	9.79E-01
LOXL4	0.01	9.74E-01	9.79E-01
RRN3P1	0.01	9.74E-01	9.79E-01
AC007255.8	-0.03	9.75E-01	9.80E-01
MTG1	0.01	9.75E-01	9.80E-01
CTB-60B18.18	0.02	9.75E-01	9.80E-01
RP11-327P2.5	0.01	9.75E-01	9.80E-01
PHYKPL	0.01	9.75E-01	9.80E-01
CDR2	0.01	9.75E-01	9.80E-01
RP11-77P16.4	-0.02	9.75E-01	9.80E-01
AMH	0.02	9.75E-01	9.80E-01
RP11-173M1.4	-0.03	9.76E-01	9.80E-01
PURG	-0.02	9.76E-01	9.80E-01
RP1-193H18.3	0.02	9.76E-01	9.80E-01
WNT9B	-0.01	9.76E-01	9.80E-01
RP1-45I4.3	-0.02	9.76E-01	9.80E-01
RP4-583P15.16	0.03	9.76E-01	9.80E-01

RP4-604G5.1	-0.03	9.76E-01	9.81E-01
IFRD1	0.01	9.76E-01	9.81E-01
RP3-473L9.4	0.02	9.76E-01	9.81E-01
LINC00237	-0.03	9.77E-01	9.81E-01
PCDHA11	-0.02	9.77E-01	9.81E-01
CTB-50L17.8	0.01	9.77E-01	9.81E-01
MT-RNR1	0.02	9.77E-01	9.81E-01
RP11-74J13.9	-0.01	9.77E-01	9.81E-01
RP3-416H24.1	-0.03	9.77E-01	9.81E-01
CTD-2026K11.4	0.01	9.78E-01	9.82E-01
AL162424.1	-0.02	9.78E-01	9.82E-01
XLOC_002085	-0.03	9.78E-01	9.82E-01
CYP24A1	-0.01	9.78E-01	9.82E-01
AC079781.5	0.03	9.78E-01	9.82E-01
AC087491.2	0.02	9.78E-01	9.82E-01
NCAPH	0.01	9.79E-01	9.83E-01
PPP1R14BP3	-0.01	9.79E-01	9.83E-01
RP11-686D22.8	-0.02	9.79E-01	9.83E-01
CD47	0.00	9.79E-01	9.83E-01
RP11-452F19.3	-0.01	9.79E-01	9.83E-01
TMX2	0.00	9.79E-01	9.83E-01
GPR156	0.01	9.79E-01	9.83E-01
RPL12P21	0.02	9.79E-01	9.83E-01
NRADDP	-0.01	9.80E-01	9.83E-01
ZNF738	-0.01	9.80E-01	9.83E-01
CTD-2008L17.2	0.02	9.80E-01	9.84E-01
RP11-35G9.3	0.01	9.80E-01	9.84E-01
LINC00315	-0.03	9.80E-01	9.84E-01
FOXO3B	-0.01	9.80E-01	9.84E-01
NRTN	-0.01	9.81E-01	9.84E-01
TRIM73	-0.02	9.81E-01	9.84E-01
ACLY	0.01	9.81E-01	9.84E-01
RP11-84G21.1	-0.01	9.81E-01	9.84E-01
TNKS2-AS1	-0.02	9.81E-01	9.85E-01
RP11-1000B6.7	-0.02	9.81E-01	9.85E-01
RP11-66B24.9	0.02	9.82E-01	9.85E-01
C1orf234	-0.02	9.82E-01	9.85E-01
CD19	0.02	9.82E-01	9.85E-01
RP11-1191J2.5	-0.02	9.82E-01	9.85E-01
LRRC70	0.01	9.82E-01	9.85E-01
RP11-277B15.3	0.02	9.82E-01	9.85E-01
TCAF1	0.00	9.82E-01	9.85E-01
KHK	-0.01	9.82E-01	9.85E-01
RP11-467L13.4	0.02	9.82E-01	9.86E-01
BTN3A1	0.00	9.83E-01	9.86E-01

XLOC_005410	0.03	9.83E-01	9.86E-01
TMEM229B	0.01	9.83E-01	9.86E-01
EIF4ENIF1	0.00	9.83E-01	9.86E-01
TMEM179B	0.00	9.83E-01	9.86E-01
SLC7A9	-0.01	9.83E-01	9.86E-01
RP11-131N11.4	-0.01	9.83E-01	9.86E-01
MROH1	0.00	9.84E-01	9.87E-01
ZFP82	0.01	9.84E-01	9.87E-01
XLOC_010575	0.01	9.84E-01	9.87E-01
DNASE1L3	0.00	9.84E-01	9.87E-01
RPS6KA2-IT1	-0.01	9.84E-01	9.87E-01
SEC11C	0.00	9.85E-01	9.87E-01
TUBA1B	0.00	9.85E-01	9.88E-01
RP11-483P21.2	0.01	9.85E-01	9.88E-01
RNASEL	0.00	9.85E-01	9.88E-01
AC005618.6	0.01	9.85E-01	9.88E-01
FKBP15	0.00	9.85E-01	9.88E-01
NBPF13P	0.01	9.85E-01	9.88E-01
IL13RA2	0.02	9.86E-01	9.88E-01
LINC00654	-0.01	9.86E-01	9.88E-01
G32068	-0.02	9.86E-01	9.89E-01
RP11-927P21.2	-0.02	9.86E-01	9.89E-01
MPPE1	0.00	9.87E-01	9.89E-01
RP11-468E2.4	0.01	9.87E-01	9.89E-01
PSMG4	0.00	9.87E-01	9.89E-01
RN7SL37P	0.01	9.87E-01	9.89E-01
G19302	-0.02	9.87E-01	9.90E-01
AP000347.4	-0.01	9.88E-01	9.90E-01
ACACB	0.00	9.88E-01	9.90E-01
RP3-495K2.4	0.01	9.88E-01	9.90E-01
LINC01446	-0.03	9.88E-01	9.90E-01
C9orf173	-0.02	9.88E-01	9.90E-01
RP11-734I18.1	0.02	9.88E-01	9.90E-01
GALC	0.00	9.89E-01	9.91E-01
FDPS	0.00	9.89E-01	9.91E-01
G23907	0.01	9.89E-01	9.91E-01
AP001055.1	0.01	9.89E-01	9.91E-01
C1RL-AS1	0.00	9.89E-01	9.91E-01
RP11-609D21.3	-0.01	9.90E-01	9.92E-01
CYP51A1P2	0.01	9.90E-01	9.92E-01
RP11-2K6.1	-0.01	9.90E-01	9.92E-01
RP11-403B2.7	-0.01	9.90E-01	9.92E-01
AHCYL1	0.00	9.91E-01	9.93E-01
OR7E2P	0.01	9.91E-01	9.93E-01
PDE6B	0.00	9.91E-01	9.93E-01

RP11-44F14.9	-0.01	9.91E-01	9.93E-01
MPP2	0.00	9.91E-01	9.93E-01
TRIM7	0.00	9.91E-01	9.93E-01
PKD1L2	0.01	9.92E-01	9.93E-01
AC093162.5	0.00	9.92E-01	9.93E-01
RP11-1198D22.1	-0.01	9.92E-01	9.94E-01
RSL24D1	0.00	9.92E-01	9.94E-01
HLA-DOB	0.00	9.92E-01	9.94E-01
RP13-554M15.7	0.00	9.93E-01	9.94E-01
C17orf75	0.00	9.93E-01	9.94E-01
RNU6-80P	0.01	9.93E-01	9.94E-01
PLA2G4B	0.00	9.93E-01	9.94E-01
PSIP1	0.00	9.93E-01	9.95E-01
RP11-166D19.1	0.00	9.93E-01	9.95E-01
MKLN1-AS	0.00	9.94E-01	9.95E-01
TTC9C	0.00	9.94E-01	9.95E-01
RP11-326C3.12	0.01	9.94E-01	9.95E-01
NYAP1	0.00	9.94E-01	9.95E-01
RFC4	0.00	9.94E-01	9.95E-01
ANAPC1P1	-0.01	9.94E-01	9.95E-01
ALG1L8P	0.00	9.94E-01	9.95E-01
SRSF2	0.00	9.94E-01	9.95E-01
RBM8A	0.00	9.95E-01	9.96E-01
PRDX1P1	0.01	9.95E-01	9.96E-01
XLOC_014386	0.00	9.95E-01	9.96E-01
G15642	0.00	9.95E-01	9.96E-01
EFEMP1	0.00	9.95E-01	9.96E-01
GTF2H4	-0.01	9.95E-01	9.96E-01
CTSH	0.00	9.95E-01	9.96E-01
GRM6	0.00	9.95E-01	9.96E-01
AC073109.2	-0.01	9.95E-01	9.96E-01
SLC1A4	0.00	9.96E-01	9.96E-01
RP11-428J1.5	0.00	9.96E-01	9.97E-01
ZPLD1	0.00	9.96E-01	9.97E-01
MLH1	0.00	9.96E-01	9.97E-01
RP11-1149O23.3	0.00	9.96E-01	9.97E-01
MAP3K15	0.00	9.96E-01	9.97E-01
IGFL4	0.00	9.96E-01	9.97E-01
LIG1	0.00	9.96E-01	9.97E-01
CCDC127	0.00	9.97E-01	9.98E-01
BGLAP	0.00	9.97E-01	9.98E-01
ADH1B	0.00	9.97E-01	9.98E-01
RP11-510J16.5	0.00	9.98E-01	9.98E-01
TIMM23B	0.00	9.98E-01	9.98E-01
AADAC	0.00	9.98E-01	9.99E-01

ACADSB	0.00	9.98E-01	9.99E-01
G26269	0.00	9.99E-01	9.99E-01
PCDH7	0.00	9.99E-01	9.99E-01
RP11-15M15.2	0.00	9.99E-01	9.99E-01
EIF1AD	0.00	9.99E-01	1.00E+00
SGMS1-AS1	0.00	1.00E+00	1.00E+00
STARD4	0.00	1.00E+00	1.00E+00
ADGRF3	0.00	1.00E+00	1.00E+00
YBX1P10	0.00	1.00E+00	1.00E+00
RP11-50D9.1	0.00	1.00E+00	1.00E+00