

Supplementary Information for:

Differential DNA methylation in experienced meditators after an intensive day of mindfulness-based practice: implications for immune-related pathways. R. Chaix[#], M.

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This PDF file includes:

Supplementary note 1; Supplementary figures 1 to 5; Supplementary tables 1 to 8.

Supplementary Tables 1 and 2 are at the end of the document.

Supplementary Note 1

Sample filtering. We generated, for each sample and each site, the raw β -value defined as the ratio of methylated probe intensity to total signal intensity, with Bioconductor package Minfi (1). We performed a hierarchical clustering plot, based on Euclidean distance with Ward agglomerative method (2) (supplementary figure 4). We observed that the technical replicates (duplicate from the same sample) cluster together as expected, and that the paired samples (t_1 and t_2 samples from the same subject) cluster together, with the exception of the paired samples from four participants (controls 124, 108, 114 and meditator 424). These four participants also exhibit the highest proportions of low quality probes either in t_1 or t_2 (probes are considered low quality if their measured intensity is not significantly higher than background intensity, with detection p-value < 0.001 (1)) (supplementary table 7). These four participants were removed from further analyses, leaving a data set of 17 meditators and 17 controls.

Probe filtering. We filtered out i) low quality probes, i.e. probes with measured intensities not significantly higher than background intensity in at least one sample (detection p-value > 0.001) (1), ii) probes that potentially cross-hybridize (3), iii) probes on the X and Y chromosomes, and iv) probes containing or extending on SNP (Single Nucleotide Polymorphism) at frequency higher than 5% in Europeans (based on the data provided by Touleimat et al (4)). Following this filtering process, 415,225 of the original 485,512 sites on the array were retained.

Data normalization procedure. Over these last years, a large number of different methods and packages have been made available to correct HM450 data for source of variation related to technical limitations. More precisely, these methods correct four types of bias: i) variation in background fluorescence level between samples that often reflects the physical position of the sample on the chip, as well as difference of intensity distributions ii) between red and green channels, iii) between arrays, iv) between type I and type II measures. This last correction aims at harmonizing intensities measured under the type I design (two different probes are used for the methylated and unmethylated states, and measures are done with the same laser excitation wavelength) and the type II design (the same probe is excited with 2 different laser wavelengths to assess intensities corresponding to the methylated and unmethylated states). However, no consensus exists as to which methods and packages work best for each of these four biases (4–12).

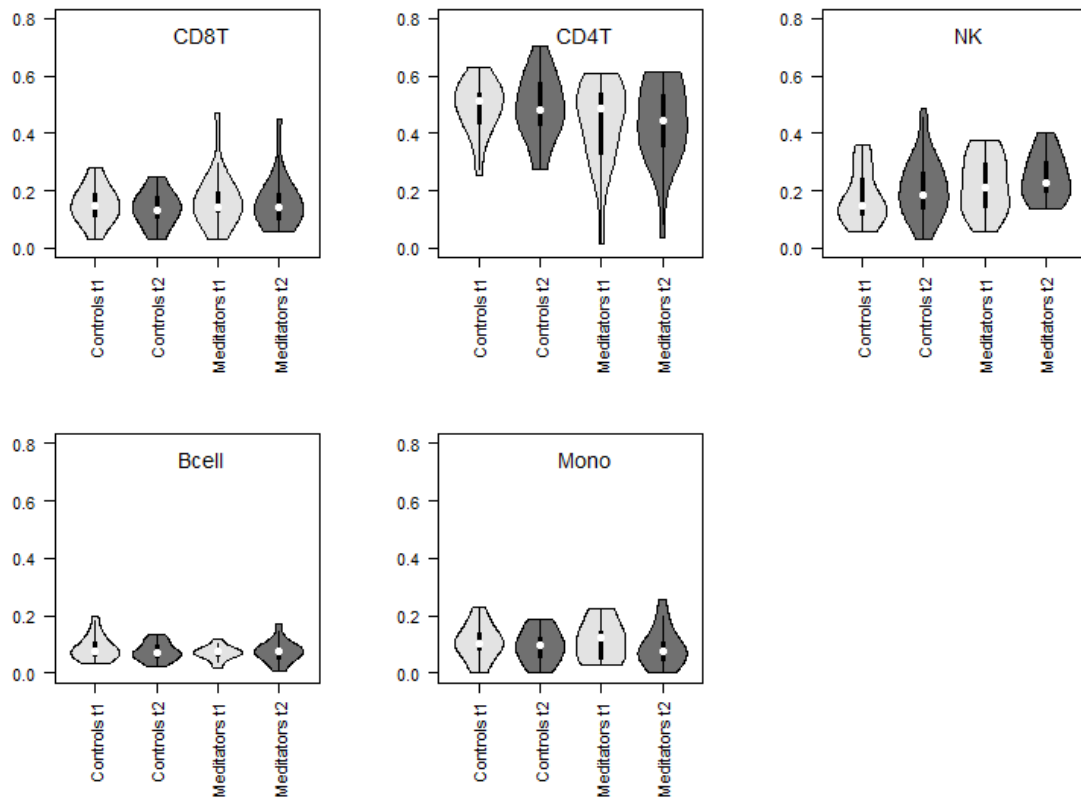
To select the most adequate normalization procedure, that is the procedure that will be best at removing such technical noise and maximizing signal detection, we implemented, for each bias, several widely used normalization methods (presented in the supplementary figure 5 and the supplementary table 8) and generated 26 datasets of M-values (\log_2 ratio of the intensities of methylated probe versus unmethylated probe) by combining these different methods. Our criteria to select the most adequate data normalization procedure was to search for the dataset that provided at the same time a better correlation between technical replicates and between paired samples. Indeed, we expected a high correlation between technical replicates and also a high correlation between paired samples because of the short duration of the intervention. More precisely, to estimate the correlation between technical replicates, we computed, for each pair of replicates, the Pearson correlation coefficient between their two vectors of methylation levels (at all methylation sites studied) and then, we computed the average of this coefficient over the three pairs of replicates. The correlation between paired samples was estimated with the duplicate Correlation from R package Limma (13) and corresponds to the average correlation at a given methylation site

between paired samples in t_1 and t_2 . The datasets normalized with the NOOB correction for background noise (14), no color correction and the inter array shift and scaling normalization (SSN) implemented in lumi package (15, 16) were the best at maximizing our two performance metrics (supplementary figure 4). The type I/ II bias correction did not have a strong impact on these performance metrics and we selected for subsequent analyses the PBC type I/ II bias correction (17).

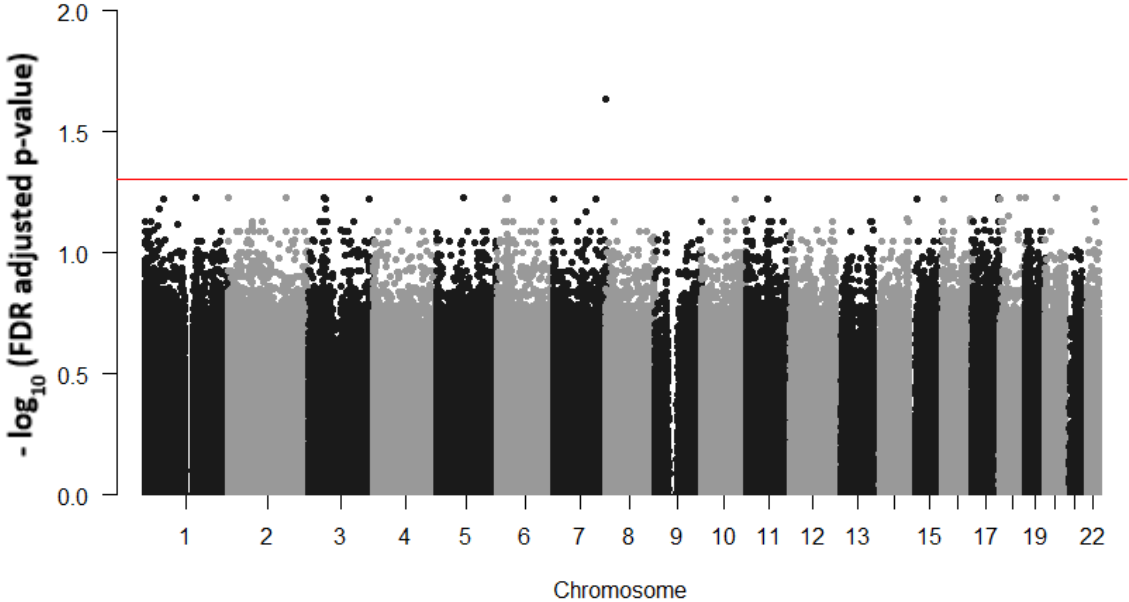
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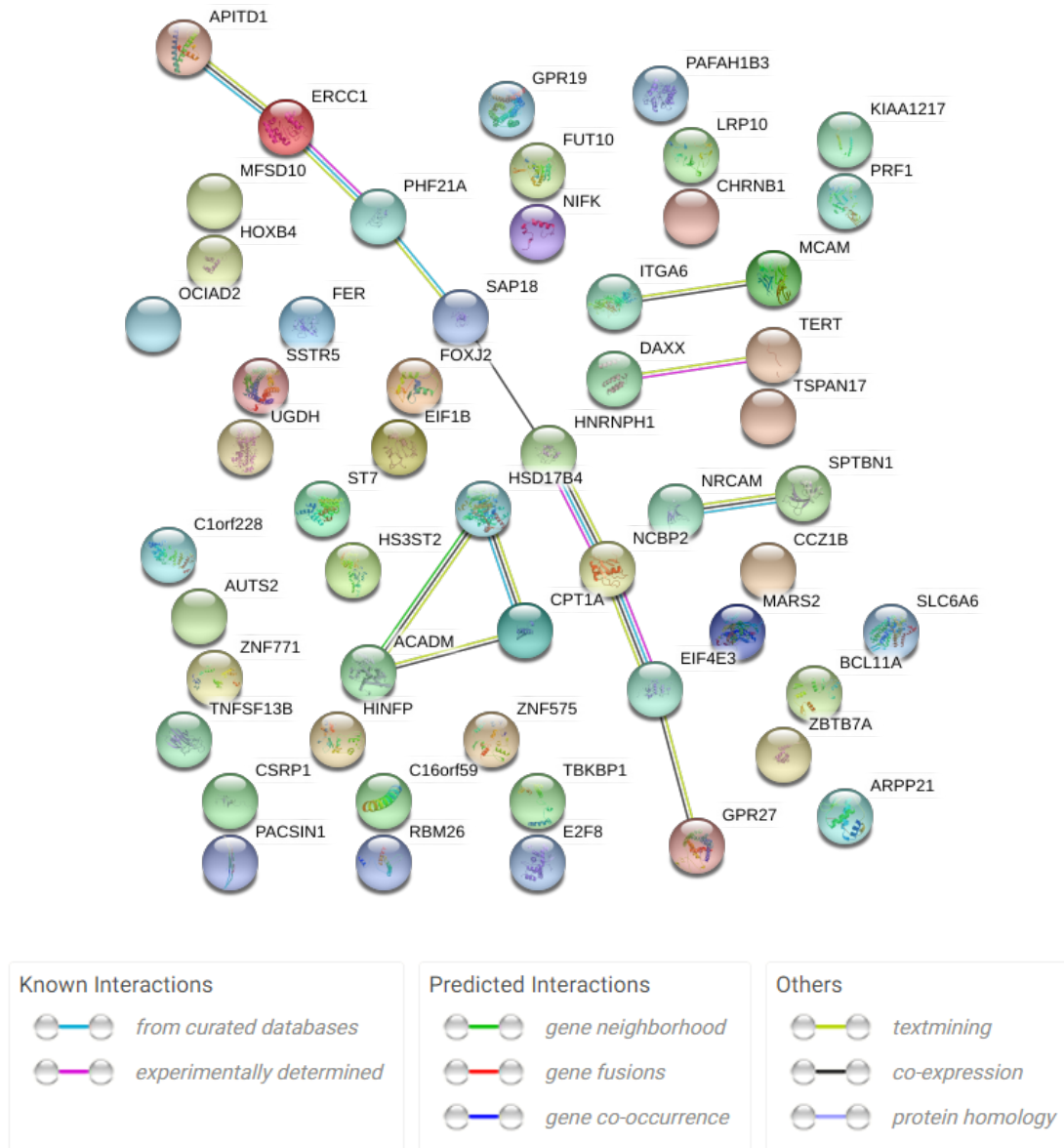
Supplementary figure 1. Proportions of blood cell counts estimated from methylation data. These diagrams are violin plots showing the distributions of blood cells counts for meditators and controls in t_1 and t_2 , estimated from methylation data using the estimateCellCounts function from the R Bioconductor package Minfi. The white dot indicates the median, the thick vertical line corresponds to the interquartile range and the thin vertical line to the 95% confidence interval.



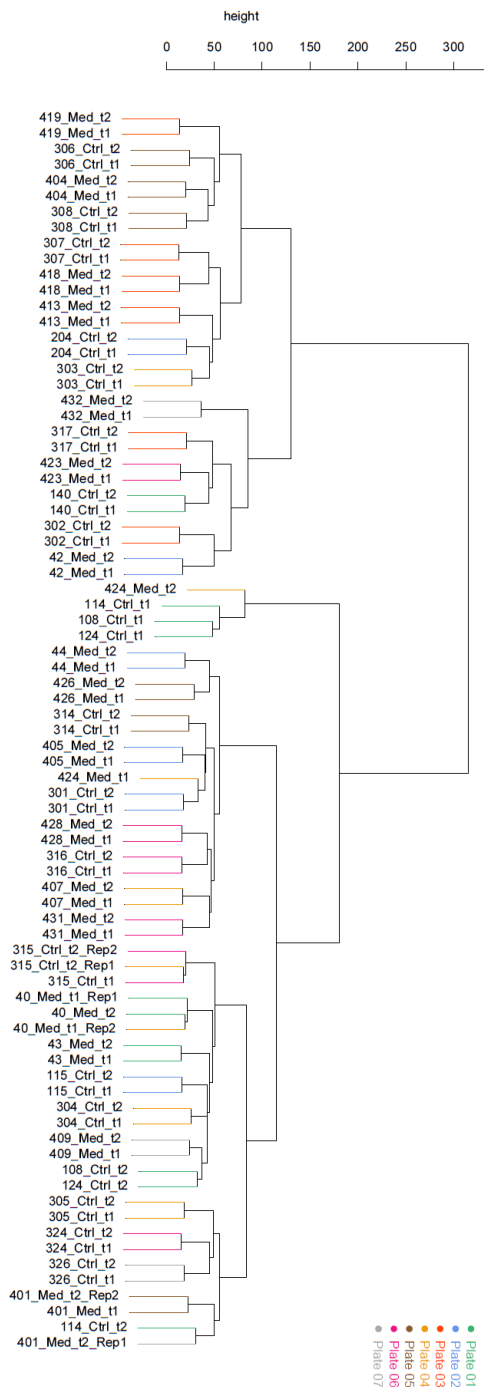
Supplementary figure 2. Manhattan plot for the control group. The black and grey points indicate the FDR adjusted p-value for each of the 414,717 tested CpG and the red line marks the 5% threshold for this FDR adjusted p-value (1 site exhibits a FDR adjusted p-value below 0.05).



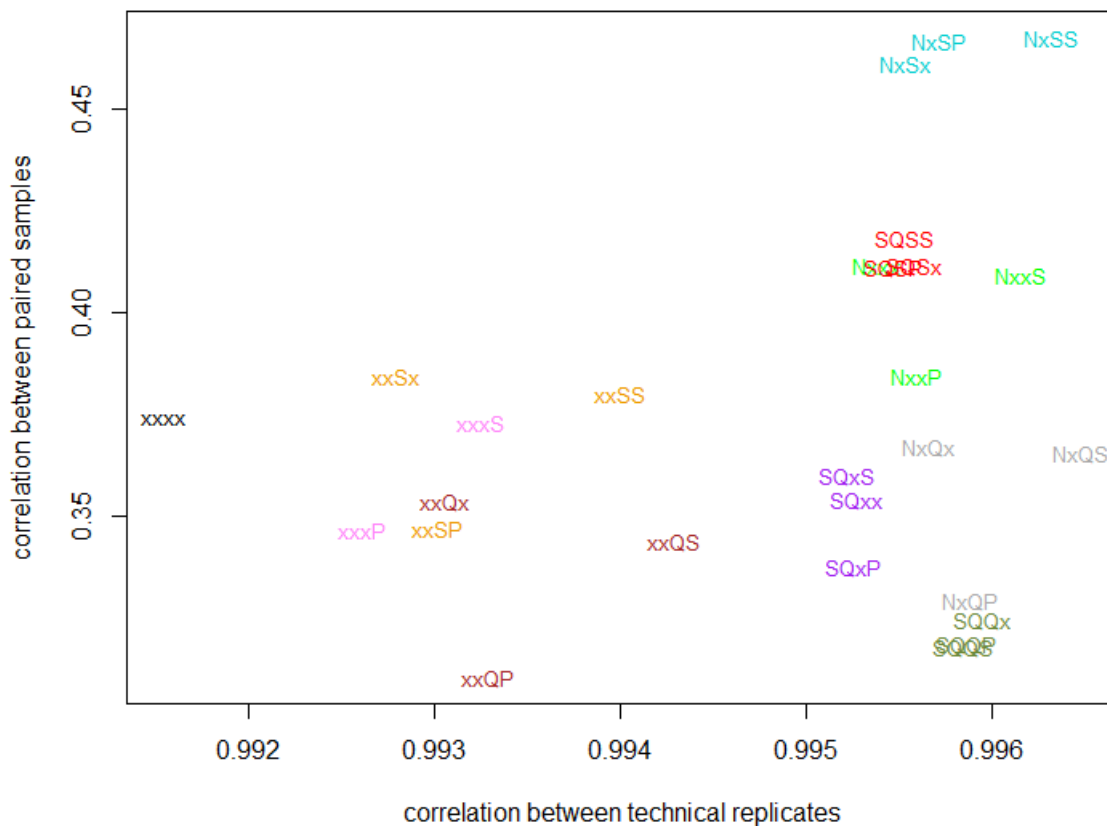
Supplementary figure 3. Protein–protein interaction network predicted by STRING database. These colored nodes correspond to 54 genes found to be differentially methylated after the meditation intervention (*C4ORF10* gene is not in the STRING database). The final position of the nodes in the image is computed by minimizing the 'energy' of the system. Empty nodes indicate proteins of unknown 3D structure and filled nodes indicate that some 3D structure is known or predicted for that protein. The color of network edges indicate the type of interaction evidence, as indicated in the legend below the network.



Supplementary figure 4: Similarity across samples computed from methylation levels. This graph is a hierarchical clustering plot based on euclidean distances between the methylation profiles of each sample (485,512 sites). The color of the leaf indicates the plate on which each sample was processed. As expected, technical replicates cluster together, and paired samples (t_1 and t_2 samples from the same subject) cluster together, with the exception of paired samples for four participants (controls 124, 108, 114 and meditator 424).



Supplementary figure 5: Performance metrics used to select the best normalization procedure. For each data set, the x-axis shows the correlation between the three technical replicates and the y-axis shows the correlation between paired samples (t_1 and t_2 samples from the same subject). These metrics were computed on all samples (meditators and controls). Because the intervention lasted only 8 hours, we expect not only a high correlation between technical replicates but also a high correlation between paired samples. The 26 datasets we produced using different normalization procedures are named by four letters, each corresponding to the method used to correct one of the four biases (“x” meaning no correction, for more information, see [supplementary table 8](#)). Datasets processed with similar background noise correction, color bias correction and between arrays correction are shown with the same color. As can be seen on this figure, the two performance metrics were positively correlated to each other. In addition, the type I/ II bias correction did not have a strong impact on these performance metrics (in other words, datasets from the same color tend to cluster together). One family of normalization procedures, here shown in blue, comprising the NOOB correction for background noise (1), no color correction and the inter array shift and scaling normalization (SSN) implemented in lumi package (2, 3) optimized at the same time the correlation between technical replicates as well as the correlation between paired samples. We selected for our analysis, the NxSP normalization procedure (including the PBC type I/ II bias correction (4)).



Supplementary figure 5 (cont.)

1. T. J. Triche, D. J. Weisenberger, D. Van Den Berg, P. W. Laird, K. D. Siegmund, Low-level processing of Illumina Infinium DNA Methylation BeadArrays. *Nucleic Acids Res.* **41**, 1–11 (2013).
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Supplementary table 3. Functional description of the 55 genes with meditation-sensitive DMS. (A) gene function description is based on *UniProt* database functional annotation information.

GENE SYMBOL	GENE NAME/ GENE FUNCTION ^(A)
<i>ACADM</i>	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial/Involved in the electron transfer to the main mitochondrial respiratory chain
<i>AP1TD1; CENPS</i>	Centromere protein S/Involved in the response to DNA damage, cellular resistance to DNA cross-linking drugs, and prevention of chromosomal breakage
<i>ARMH1; CIORF228</i>	Armadillo-like helical domain containing 1/Uncharacterized
<i>ARPP21</i>	Cyclic AMP-regulated phosphoprotein 21/Competitive inhibitor of calmodulin-dependent enzymes
<i>AUTS2</i>	Autism susceptibility gene 2 protein/Required to maintain the transcriptionally repressive state of many genes
<i>BCL11A</i>	B-cell lymphoma-leukemia 11A/Transcription factor important for leukemogenesis and hematopoiesis
<i>CAORF10; NOP14-AS1</i>	<i>NOP14</i> antisense RNA 1/non-coding RNA; no function reported in <i>UniProt</i>
<i>CCZ1B; C7ORF28B</i>	Vacuolar fusion protein <i>CCZ1</i> homolog B/Involved in vacuolar protein trafficking and biogenesis; promotes the exchange of GDP to GTP
<i>CHRNBI</i>	Acetylcholine receptor subunit beta/Essential receptor for cholinergic transmission
<i>CPT1A</i>	Carnitine O-palmitoyltransferase 1, liver isoform/Catalyzes the transfer of the acyl group of long-chain fatty acid-CoA conjugates onto carnitine
<i>CSRP1</i>	Cysteine and glycine-rich protein 1/LIM domain containing protein involved in development
<i>DAAX</i>	Death domain-associated protein 6/Transcription corepressor known to repress several sumoylated transcription factors
<i>E2F8</i>	Transcription factor <i>E2F8</i> /Transcription factor that participates in angiogenesis
<i>EIF1B</i>	Eukaryotic translation initiation factor 1b/Involved in translation
<i>EIF4E3</i>	Eukaryotic translation initiation factor 4E type 3/Recognizes and binds the 7-methylguanosine-containing mRNA cap during protein synthesis
<i>ERCC1</i>	DNA excision repair protein <i>ERCC-1</i> /Non-catalytic component of a structure-specific DNA repair endonuclease
<i>FER</i>	Tyrosine-protein kinase <i>Fe</i> /Acts downstream of <i>EGFR</i> to promote activation of <i>NF-kappa-B</i> and cell proliferation
<i>FOXJ2</i>	Forkhead box protein <i>J2</i> /Transcriptional activator able to bind to two different types of DNA binding sites
<i>FUT10</i>	Alpha-(1,3)-fucosyltransferase 10/Fucosyltransferase activity
<i>GPR19</i>	Probable G-protein coupled receptor 19/G protein-coupled receptor activity
<i>GPR27</i>	Probable G-protein coupled receptor 27/Orphan receptor. Possible candidate for amine-like G-protein coupled receptor
<i>HINFP</i>	Histone H4 transcription factor/Transcriptional repressor that binds to the consensus sequence 5'-GGGACGT-3' and to the <i>RB1</i> promoter
<i>HNRNPH1</i>	Heterogeneous nuclear ribonucleoprotein H/Mediates pre-mRNA alternative splicing regulation
<i>HOXB4</i>	Homeobox protein <i>Hox-B4</i> /Sequence-specific transcription factor involved in developmental regulatory system providing positional identity to cells
<i>HSS3T2</i>	Heparan sulfate glucosaminase 3-O-sulfotransferase 2/Involved in heparan sulfate biosynthesis
<i>HSD17B4</i>	Peroxisomal multifunctional enzyme type 2/Bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids
<i>ITGA6</i>	Integrin alpha-6/Receptor for laminin on platelets
<i>KIAA1217</i>	Sickle tail protein homolog/Required for embryonic skeletal system development
<i>LRP10</i>	Low-density lipoprotein receptor-related protein 10/Involved in the internalization of lipophilic molecules and/or signal transduction
<i>MARS2</i>	Methionine-tRNA ligase, mitochondrial/Aminoacyl-tRNA synthetase activity
<i>MCAM</i>	Cell surface glycoprotein <i>MUC18</i> /Required for cell adhesion, particularly in the vascular tissue
<i>MFSD10</i>	Major facilitator superfamily domain-containing protein 10/Confers cellular resistance to apoptosis induced by anti-inflammatory drugs
<i>NCBP2</i>	Nuclear cap-binding protein subunit 2/Component of the cap-binding complex, involved in pre-mRNA splicing and translation regulation
<i>NFK</i>	<i>MK167</i> FHA domain-interacting nuclear phosphoprotein/RNA binding protein interacting with the FHA domain of <i>MK167</i>

NRCAM	Neuronal cell adhesion molecule/ Cell adhesion protein
OCLAD2	OCLAD domain-containing protein 2/ Involved in the cellular response to bacterium
PACSIIN1	Protein kinase C and casein kinase substrate in neurons protein 1/ Involved in the reorganization of the microtubule cytoskeleton via its interaction with MAPT
PAFAH1B3	Platelet-activating factor acetylhydrolase 1B subunit gamma/ Enzymatic lipolytic activity
PHF21A	PHD finger protein 21A/ Chromatin modifier, represses transcription of neuron-specific genes in non-neuronal cells
PRF1	Perforin-1/ Plays an important role in killing other cells that are recognized as non-self by the immune system
RBM26	RNA-binding protein 26/ Involved in mRNA binding and in the negative regulation of phosphatases
SAP18	Histone deacetylase complex subunit SAP18/ Enhances the ability of SIN3-HDAC1-mediated transcriptional repression
SLC6A6	Sodium- and chloride-dependent taurine transporter/ Involved in neurotransmitter transport
SPTBN1	Spectrin beta chain, non-erythrocytic 1/ Interacts with calmodulin, and is required for movement of the cytoskeleton at the cell membrane
SSTR5	Somatostatin receptor type 5/ Receptor for somatostatin 28 and 14. G proteins mediate the activity of this receptor
ST7	Suppressor of tumorigenicity 7 protein/ Regulation of cell differentiation
TBKBP1	Tumor necrosis factor family member-associated NF-kB activator binding kinase 1 binding protein 1/ Involved in antiviral innate immunity
TEDC2; C16ORF59	Tubulin epsilon and delta complex protein 2/ Protein binding
TERT	Telomerase reverse transcriptase/ Reverse transcriptase activity required for the elongation of telomeres
TNFSF13B	Tumor necrosis factor ligand superfamily member 13B/ Cytokine involved in B- and T-cell function and in humoral immunity regulation
TSPAN17	Tetraspanin-17/ Protein maturation
UGDH	UDP-glucose 6-dehydrogenase/ Involved in the biosynthesis of glycosaminoglycans; hyaluronan, chondroitin sulfate, and heparan sulfate
ZBTB7A	Zinc finger and BTB domain-containing protein 7A/ Transcriptional repressor involved in B and T cells lineage development
ZNF575	Zinc finger protein 575/ Involved in transcriptional regulation; Zinc fingers C2H2-type
ZNF771	Zinc finger protein 771/ Involved in transcriptional regulation; Zinc fingers C2H2-type

Supplementary table 3 (cont)




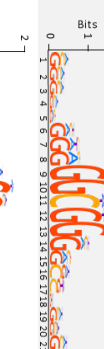
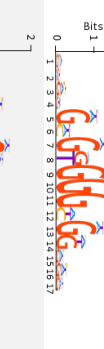




Supplementary table 4: Distribution of the 61 meditation-sensitive DMS across different genomic regions, that is distal promoters (TSS1500), proximal promoters (TSS200), 5'UTRs, first exons, gene bodies, 3'UTRs, intergenic regions, CpG islands, shores, shelves and open seas, as well as odd-ratios and chi-square test p-values assessing the enrichment of each of these regions in meditation-sensitive DMS.

	counts	odd-ratio	p-value
TSS1500	15	1.521	0.155
TSS200	16	2.295	0.003
5'UTR	11	1.365	0.349
1stExon	10	2.207	0.019
Body	16	0.608	0.084
3'UTR	0	0.000	0.109
intergenic	8	0.502	0.064
N Shelf	1	0.322	0.237
N Shore	4	0.462	0.126
Island	42	4.715	<10⁻⁴
S Shore	5	0.777	0.588
S Shelf	2	0.739	0.673
OpenSea	7	0.238	<10⁻⁴

Supplementary table 5. GO terms enriched in meditation-sensitive DMS. This table shows the 5 top GO terms (biological processes) that are enriched in meditation-sensitive DMS (considering the 61 DMS with at least 3% of change in methylation level after the meditation intervention). N: number of genes in the GO term, DM genes: list of genes (in the GO term) containing meditation-sensitive DMS. Note that no GO term was significantly enriched after multiple testing correction.

	Term	N	DM	FDR adjusted P-value
GO:0009437	carnitine_metabolic_process	12	<i>ACADM</i> <i>CPT1A</i>	1
GO:0006577	amino-acid_betaine_metabolic_process	16	<i>ACADM</i> <i>CPT1A</i>	1
GO:0006635	fatty_acid_beta-oxidation	65	<i>ACADM</i> <i>CPT1A</i> <i>HSD17B4</i>	1
GO:0031296	B_cell_costimulation	3	<i>TNFSF13B</i>	1
GO:0009062	fatty_acid_catabolic_process	82	<i>ACADM</i> <i>CPT1A</i> <i>HSD17B4</i>	1

Supplementary table 6. Transcription factor motif enrichment considering the 500 bp sequence around each of the 61 mediation-sensitive DMS (+/- 250bp). We identified enriched motifs using the AME suite package (1). Logo plots, transcription factors predicted to bind to each motif, Bonferroni adjusted p-value, E-value, the number of DMS where the motif is present, and the associated function according to UniProt database (2) and specific scientific literature are shown for the top 10 significantly enriched DNA sequence motifs.

Logo	Rank	Symbol	adj. P-value	E-value	Nº of DMS	Full name; function
	1	KLF15	3,93E-16	1,58E-13	47	Krüppel-like factor 15 ; involved in cellular glucose homeostasis, stress response and inflammation. KLF15 regulates vascular inflammation through the interaction with NF-κB, and its expression is directly induced by glucocorticoids (3, 4).
	2	SP3	2,99E-13	1,20E-10	28	Specificity protein 3 ; involved in response to DNA damage, immunity, hematopoiesis, and controls the expression of inflammation-related molecules such as the anti-inflammatory cytokine IL-10 and the pro-inflammatory molecule COX-2 (5, 6)
	3	TAF1	9,33E-13	3,75E-10	39	TBP-associated factor, largest subunit of Transcription factor II D ; involved in many biological processes, including DNA-damage response and Major Histocompatibility Complex MHC class I constitutive expression (7).
	4	E2F7	1,12E-12	4,52E-10	51	E2F Transcription Factor 7 ; involved in DNA-damage response, and angiogenesis.
	5	SP2	1,50E-12	6,04E-10	31	Specificity protein 2 ; involved in immune response.
	6	EGR1	1,33E-11	5,34E-09	31	Early Growth Response gene 1 ; involved in many biological processes, such as response to DNA damage, immunity, and inflammatory responses
	7	MAZ	1,17E-10	4,72E-08	52	Myc-Associated Zinc Finger Protein ; involved in regulation of apoptosis, angiogenesis and pro-inflammatory responses.
	8	SP4	1,48E-10	5,94E-08	28	Specificity protein 4 ; involved in inflammatory and neuropathic persistent pain states (8) and in dendrite patterning and neurotransmission (9).
	9	WT1	3,63E-10	1,46E-07	29	Wilms' tumor transcription factor ; involved in many biological processes, including cellular development and cell survival, as well as cytokines and cytokines receptors expression (10–12).
	10	SP1	6,01E-10	2,42E-07	29	Specificity protein 1 ; involved in cell differentiation, cell growth, apoptosis, immune response, angiogenesis, oxidative stress and in response to DNA damage.

Supplementary table 6 (cont)

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Supplementary table 7: Proportion of high quality probes for each sample. Here, we present the percentage of probes with measured intensity significantly higher than background intensity (ie with detection p-value < 0.001) for each sample. The four samples indicated in bold had lower proportion of high quality probes and were removed from the dataset.

124_Ctrl_t1	97.216
108_Ctrl_t1	98.628
114_Ctrl_t1	99.160
424_Med_t2	99.353
426_Med_t1	99.883
426_Med_t2	99.886
303_Ctrl_t1	99.891
314_Ctrl_t2	99.896
409_Med_t2	99.897
401_Med_t2_Rep2	99.900
431_Med_t1	99.903
124_Ctrl_t2	99.908
40_Med_t1_Rep1	99.909
326_Ctrl_t2	99.910
401_Med_t1	99.910
431_Med_t2	99.911
326_Ctrl_t1	99.913
407_Med_t1	99.916
315_Ctrl_t2_Rep2	99.917
324_Ctrl_t2	99.917
316_Ctrl_t2	99.918
305_Ctrl_t2	99.920
40_Med_t2	99.921
108_Ctrl_t2	99.921
305_Ctrl_t1	99.922
44_Med_t1	99.922
301_Ctrl_t1	99.923
114_Ctrl_t2	99.923
324_Ctrl_t1	99.924
301_Ctrl_t2	99.925
115_Ctrl_t1	99.926
401_Med_t2_Rep1	99.926
43_Med_t1	99.927
115_Ctrl_t2	99.927
43_Med_t2	99.927
44_Med_t2	99.927
40_Med_t1_Rep2	99.928
405_Med_t2	99.928
405_Med_t1	99.928
304_Ctrl_t2	99.929
428_Med_t2	99.930
315_Ctrl_t2_Rep1	99.930
304_Ctrl_t1	99.930
409_Med_t1	99.930
424_Med_t1	99.930
315_Ctrl_t1	99.932
316_Ctrl_t1	99.933
407_Med_t2	99.933
428_Med_t1	99.937
404_Med_t2	99.946
306_Ctrl_t2	99.949
140_Ctrl_t1	99.953
308_Ctrl_t1	99.955
306_Ctrl_t1	99.957

404_Med_t1	99.957
308_Ctrl_t2	99.958
204_Ctrl_t2	99.960
140_Ctrl_t2	99.965
432_Med_t2	99.969
317_Ctrl_t1	99.972
432_Med_t1	99.972
302_Ctrl_t1	99.973
423_Med_t1	99.975
302_Ctrl_t2	99.977
204_Ctrl_t1	99.980
419_Med_t1	99.980
314_Ctrl_t1	99.980
419_Med_t2	99.980
303_Ctrl_t2	99.980
423_Med_t2	99.980
307_Ctrl_t1	99.980
413_Med_t1	99.980
42_Med_t1	99.980
413_Med_t2	99.981
307_Ctrl_t2	99.982
418_Med_t1	99.982
317_Ctrl_t2	99.983
42_Med_t2	99.983
418_Med_t2	99.987

Supplementary table7 (cont)

Supplementary table 8: Panel of methods that were used for the normalization procedure. These methods correct four types of bias: i) variation in background fluorescence level between samples, as well as difference of intensity distributions ii) between red and green channels, iii) between arrays, iv) between type I and type II measures. We combined these methods to produce 26 normalized datasets and then, identify the most adequate normalization procedure. To reduce the number of possible combinations, the SB background correction was always associated with the QN color correction and the NB background correction was always associated with no color correction. In the code column, the letter between brackets indicates the letter used for identification of this method in supplementary figure 5. No correction for batch effect was performed as all samples were processed in a single batch.

	Code	Method	Package
background noise correction	None (x)	-	-
	SB (S)	subtraction of intensities measured on negative control probes	lumiMethyB function from lumi Bioconductor package (1, 2)
	NB (N)	NOOB method based on a normal-exponential convolution model and out-of-band probes (3).	adapted from the preprocessNoob function from R Bioconductor package Minfi (4)
color bias correction	None (x)	-	-
	QN (Q)	quantile normalization	lumiMethyB function from lumi Bioconductor package (1, 2)
between-array correction	None (x)	-	-
	QN (Q)	quantile normalization	lumiMethyN function from lumi Bioconductor package (1, 2)
	SSN (S)	shift and scaling normalization	lumiMethyN function from lumi Bioconductor package (1, 2)
Type I/II bias correction	None (x)	-	-
	PBC (P)	Peak-based correction (5)	IMA.methy450PP function from the IMA Bioconductor package (6)
	SWAN (S)	Subset-quantile within Array Normalization (7)	preprocessSWAN function from the Minfi Bioconductor package (4)

Supplementary table 8 (cont)

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S_Table 1. This supplementary table presents the top 5000 sites with highest signal of differential methylation (ranked according to their FDR adjusted p-value) in the meditation group after the day long meditation intervention) Diff: difference in methylation level between t2 and t1, P-val: FDR adjusted P-value TSS200: proximal promoter (less than 200bp upstream from the transcription start site), TSS1500: distal promoter (from 1,500 to 200bp upstream from the transcription start site).

Illumina CpG ID	chromosome	position	Diff	P-val	Gene symbol	Localization
cg12760318	chr19	4067604	0.035	0.005	ZBTB7A	TSS1500
cg27380288	chr17	7893701	0.025	0.007	-	-
cg20739912	chr4	3294241	0.022	0.007	-	-
cg17325716	chr2	20101636	0.011	0.013	TTC32;TTC32	5'UTR;1stExon
cg03192163	chr6	137365300	0.002	0.013	IL20RA	Body
cg07152259	chr15	55700689	0.01	0.013	CCPG1;CCPG1	TSS200;TSS200
cg23977063	chr5	177659926	0.014	0.013	AGXT2L2	TSS200
cg23504092	chr20	13201342	0.016	0.013	ISM1	TSS1500
cg03718488	chr19	58898479	0.007	0.013	RPS5	TSS200
cg03120829	chr6	34204555	0.009	0.013	HMG1A;HMG1	TSS200;TSS200;TSS200;TSS200
cg19187145	chr15	49338251	0.014	0.013	SECISBP2L	Body
cg05517905	chr2	11273075	0.005	0.013	C2orf50	TSS200
cg07740693	chr6	41339616	0.007	0.013	-	-
cg26300324	chr2	38152884	0.011	0.013	FAM82A1	5'UTR
cg12212206	chr20	17663312	0.01	0.013	RRBP1;RRBP1	TSS1500;TSS1500
cg26719995	chr2	27309153	0.005	0.014	KHK;EMILIN1	TSS1500;3'UTR;TSS1500
cg00636639	chr9	125027249	0.006	0.014	RBM18;MRRF	TSS200;5'UTR;TSS200;5'UTR;TSS200
cg14162033	chr5	151150910	0.013	0.015	G3BP1;G3BP1	TSS1500;TSS1500
cg04847419	chr12	51632371	0.007	0.015	DAZAP2;DAZAP2	TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg25162948	chr13	50070718	0.005	0.015	PHF11;PHF11	Body;5'UTR
cg14081599	chr19	33071884	0.014	0.015	PDCD5	TSS1500
cg03831971	chr4	100868132	0.018	0.015	DNAIB14	TSS1500
cg22395573	chr17	79830134	0.009	0.015	ARHGDI4	TSS1500
cg06707168	chr1	231114534	0.01	0.015	ARV1;TTC13;TTC13	TSS1500;1stExon;1stExon
cg08162572	chr20	47663143	0.004	0.015	CSE1L	5'UTR
cg10739684	chr11	46143993	0.043	0.015	PHF21A;PHF21A	TSS1500;TSS1500
cg02941118	chr11	134201640	0.022	0.015	GLB1L2	TSS200
cg24515341	chr1	44871297	0.006	0.015	RNF220	5'UTR
cg16747714	chr12	53427257	0.011	0.015	KRT18;KRT18	TSS200;5'UTR
cg12207651	chr19	34919072	0.003	0.015	UBA2	TSS200
ch.10.1529706R	chr10	73505818	0.004	0.015	CDH23	Body
cg23523765	chr7	39772772	0.009	0.015	LOC349114	TSS1500
cg13303573	chr13	21278287	0.012	0.015	IL17D	Body
cg09400281	chr14	100259801	0.006	0.015	EML1;EML1;E1	1stExon;5'UTR;1stExon;5'UTR
cg24487784	chr11	696252	0.018	0.015	TMEM80;DEA	Body;TSS1500;Body
cg10532362	chr17	39992352	0.007	0.015	NT5C3L;NT5C3	5'UTR;1stExon
cg03149814	chr3	4909963	0.026	0.015	-	-
cg05983695	chr3	50492818	-0.013	0.015	CACNA2D2;C2D2	Body;Body
cg03541934	chr11	1905537	-0.004	0.015	LSP1;LSP1;LSP	Body;Body;Body;Body
cg23163917	chr6	137792869	-0.008	0.015	-	-
cg01419084	chr19	36236615	0.004	0.015	PSENNEN;U2AF	5'UTR;TSS1500;TSS1500
cg05732940	chr12	58165723	0.025	0.015	FAM119B;ME	TSS1500;Body;Body;TSS1500
cg08092276	chr15	100890355	0.009	0.015	FLJ42289;FLJ4	Body;Body
cg07939896	chr9	116038089	0.004	0.015	PRPF4;CDC2B	Body;TSS1500
cg10903927	chr13	79182916	0.018	0.015	-	-
cg02499576	chr20	44601037	0.005	0.015	ZNF335	TSS1500
cg18146799	chr19	56826256	0.003	0.015	-	-
cg12312988	chr2	5832430	0.003	0.015	SOX11	TSS1500
cg16501440	chr17	66032328	0.009	0.015	KPNA2	5'UTR
cg00375157	chr16	30418874	0.031	0.016	ZNF771;ZNF7	1stExon;1stExon;5'UTR;5'UTR
cg19040509	chr17	72199640	0.017	0.017	RPL38;RPL38	TSS200;TSS200
cg22149184	chr17	79372515	0.008	0.017	BAHCC1	TSS1500
cg20402000	chr5	107007640	0.011	0.018	EFNA5	TSS1500
cg02041944	chr1	6306270	0.012	0.018	-	-
cg14648069	chr12	68726271	0.007	0.018	MDM1;MDM1	TSS200;TSS200
cg12208848	chr10	16741548	-0.009	0.018	RSU1;RSU1	Body;Body
cg03714531	chr6	30923590	0.006	0.018	-	-
cg04281464	chr14	70014873	0.005	0.018	-	-
cg24151267	chr17	48556017	0.021	0.018	RSAD1	TSS200
cg20451718	chr21	46360372	0.008	0.018	C21orf67;C21	TSS1500;Body;TSS1500
cg15822712	chr14	24021124	0.007	0.018	-	-
cg04510853	chr17	660255	-0.017	0.019	-	-
cg19359940	chr13	78391713	-0.005	0.019	-	-
cg10218959	chr9	130890202	0.007	0.019	LOC389791;PT	TSS1500;1stExon;5'UTR;Body;Body
cg13212400	chr12	56661093	0.011	0.019	COQ10A;COQ1	1stExon;5'UTR;Body
cg12174008	chr7	72971728	0.009	0.019	BCL7B	Body
cg04855869	chr1	212208838	0.011	0.019	INTS7;DLI;INT	1stExon;TSS200;5'UTR
cg19240938	chr11	2942036	-0.003	0.02	SLC22A18;SLC	Body;Body
cg18279994	chr2	54950960	0.008	0.02	EML6	TSS1500
cg20631472	chr12	12849269	0.039	0.02	GPR19	TSS200
cg00224563	chr13	100741287	0.006	0.02	PCCA;PCCA	TSS200;TSS200
cg17464212	chr2	71357485	0.013	0.02	MPHOSPH10;I	1stExon;5'UTR;TSS200
cg16769381	chr11	46391053	-0.006	0.02	DGKZ;DGKZ;D	Body;Body;Body;Body
cg00901683	chr7	99036756	0.004	0.02	PTCD1;CPSF4	TSS1500;1stExon;1stExon
cg21957399	chr18	11980981	0.007	0.02	IMPA2	TSS1500
cg04408595	chr3	71802608	0.034	0.02	EIF4E3;EIF4E3	5'UTR;5'UTR;TSS1500
cg22944662	chr1	178062847	0.016	0.021	LOC10030240	Body;TSS200
cg08357651	chr2	198318030	0.007	0.021	COQ10B	TSS200
cg17471467	chr11	44332838	0.007	0.021	ALX4	TSS1500
cg00584530	chr21	43373897	0.023	0.021	C2CD2;C2CD2	5'UTR;1stExon
cg12128270	chr12	131400857	0.028	0.021	-	-
cg15822387	chr1	110577200	0.014	0.021	FAM40A	TSS200
cg18458305	chr22	42311231	0.034	0.021	-	-
cg24479965	chr15	43785026	0.015	0.021	TP53BP1;TP53	Body;Body;5'UTR
cg22844232	chr3	193776047	0.026	0.021	-	-
cg09562503	chr14	21152739	0.007	0.021	RNASE4;ANG	1stExon;5'UTR;1stExon;5'UTR
cg07900624	chr3	49761894	0.013	0.021	IP6K1;IP6K1;G	3'UTR;3'UTR;TSS1500;TSS1500
cg10698404	chr7	75988421	0.006	0.021	YWHAG	TSS200
cg12336290	chr10	72362674	0.05	0.021	PRF1;PRF1	TSS200;TSS200
cg02891945	chr16	85863447	0.005	0.021	-	-
cg11696392	chr11	77850819	0.015	0.021	ALG8;ALG8	TSS200;TSS200
cg24393699	chr1	197744782	0.012	0.021	DENND1B;DEI	TSS200;TSS200
cg13487956	chr18	47340408	0.008	0.021	SCARNA17;AC	Body;TSS200
cg17460047	chr7	30323918	0.008	0.021	ZNRF2	TSS200
cg15631337	chr17	46048070	0.008	0.022	CDK5RAP3	TSS1500
cg26802026	chr5	127872329	-0.007	0.022	FBN2	Body
cg16298462	chr11	1483731	-0.016	0.022	-	-
cg11907262	chr19	34310911	0.012	0.022	-	-

cg12333095	chr12	110437035	0.006	0.022	ANKRD13A	TSS200
cg26493629	chr11	68065258	0.007	0.022	-	-
cg10671907	chr6	109703593	0.009	0.022	CD164;CD164	1stExon;1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon;5'UTR;1stExon;5'UTR
cg22473095	chr20	18477967	0.002	0.022	RBBP9	TSS200
cg12938135	chr13	20356591	0.019	0.022	PSPC1;PSPC1	Body;1stExon
cg23998987	chr16	2021791	0.003	0.022	TBL3	TSS1500
cg05063514	chr1	172413094	0.006	0.022	C1orf105;PIGF	Body;5'UTR;5'UTR
cg19968179	chr7	33847134	-0.009	0.022	-	-
cg25113610	chr2	74007324	0.009	0.022	DUSP11	TSS200
cg22853371	chr10	54068630	0.009	0.022	-	-
cg01441798	chr8	124054834	0.006	0.022	DERL1;DERL1	TSS200;TSS200
cg10098175	chr15	69453539	0.011	0.022	MIRS48H4;GL	Body;5'UTR
cg16500409	chr8	125740498	0.011	0.022	MTSS1;MTSS1	1stExon;5'UTR
cg06278939	chr4	113207141	0.013	0.022	TIFA	TSS200
cg03865257	chr18	21269410	0.007	0.022	LAMA3;LAMA	TSS200;TSS200
cg11431346	chr15	45670478	0.006	0.022	GATM;LOC14	Body;TSS1500
cg00666978	chr1	150947442	0.01	0.022	LASS2;LASS2	TSS200;TSS200
cg10373256	chr22	32871209	0.008	0.022	FBXO7;FBXO7	TSS200;Body
cg15881994	chr4	89300156	0.014	0.022	HERC6;HERC6	1stExon;1stExon
cg01506492	chr2	219232590	0.007	0.022	C2orf62	Body
cg14828404	chr2	56267246	-0.012	0.022	-	-
cg08261177	chr19	49956824	0.008	0.022	ALDH16A1;AL	Body;Body
cg04739228	chr19	42806843	0.043	0.022	PAFAH1B3;PA	1stExon;5'UTR;5'UTR;TSS200;5'UTR
cg06579271	chr16	57318902	0.012	0.022	PLLP	TSS1500
cg26905268	chr19	11308417	0.01	0.022	KANK2	TSS200
cg20406374	chr5	179248352	0.003	0.023	SQSTM1;SQSTM1	5'UTR;5'UTR;Body
cg18109673	chr3	5021254	0.005	0.023	BHLHE40;BHL	1stExon;5'UTR
cg01216623	chr5	43066306	0.005	0.023	-	-
cg13438640	chr3	128880060	0.007	0.023	ISY1	TSS200
cg12690148	chr1	63788429	0.013	0.023	FOXO3	TSS1500
cg20571137	chr13	21476760	0.009	0.023	XPO4	Body
cg12108273	chr14	81407988	0.005	0.023	-	-
ch.2.1030760R	chr2	43232845	0.021	0.023	-	-
cg05914439	chr17	34958381	0.007	0.023	MRM1	1stExon
cg00331096	chr20	22564947	0.01	0.023	FOXA2;FOXA2	5'UTR;5'UTR;1stExon
cg05233311	chr7	65670241	0.005	0.023	TPST1	TSS200
cg25363317	chr19	6393052	0.004	0.024	GTF2F1;GTF2F	5'UTR;1stExon
cg14233074	chr4	2936648	0.006	0.024	C4orf10;MFSL	TSS1500;TSS200;TSS1500
cg00935216	chr7	157461368	0.004	0.024	PTPRN2;PTPR	Body;Body;Body
cg07562988	chr15	48624198	0.012	0.024	DUT;DUT;DUT	TSS200;5'UTR;Body
cg07141055	chr16	84328127	0.013	0.024	WFDC1	TSS1500
cg07781223	chr19	10947061	0.014	0.024	TMED1	TSS200
cg02356600	chr15	73345745	0.011	0.024	NEO1	Body
cg03497297	chr18	2655452	0.008	0.024	SMCHD1	TSS1500
cg15212833	chr6	32048463	-0.011	0.024	TNXB	Body
cg17541922	chr11	86511813	0.01	0.024	PRSS23	5'UTR
cg19001226	chr2	177053345	0.011	0.024	HOXD1;HOXD	1stExon;5'UTR
cg15518042	chr1	40915896	0.019	0.024	ZNF643	5'UTR
cg11740027	chr22	50651198	-0.025	0.024	SELO	Body
cg02844985	chr20	35374156	0.008	0.024	NDRG3;NDRG	5'UTR;5'UTR
cg14628354	chr6	32130655	-0.006	0.024	PPT2;PPT2	Body;Body
cg24826527	chr7	51384089	0.017	0.024	COBL	Body
cg24185443	chr19	11533199	0.011	0.024	CCDC151	Body
cg21195185	chr4	76555782	0.021	0.024	CDKL2	TSS200
cg12666921	chr2	2672667	-0.006	0.024	-	-
cg08049640	chr17	6616799	0.017	0.024	SLC13A5;SLC1	TSS200;TSS200
cg10964757	chr1	27248607	0.012	0.024	NUDC	Body
cg24340911	chr17	5342028	0.007	0.024	C1QBP	Body
cg19333963	chr19	1467979	0.005	0.024	APC2	Body
cg05414835	chr15	59225898	0.005	0.024	SLTM;SLTM	TSS200;TSS200
cg26762198	chr16	284647	0.006	0.024	ITFG3	TSS200
cg11193034	chr7	7222973	0.006	0.024	C1GALT1	5'UTR
cg22676470	chr19	1295929	0.006	0.024	EFNA2	Body
cg21707521	chr2	238875814	0.012	0.024	UBE2F	5'UTR
cg23437704	chr17	27169887	0.023	0.024	C17orf63;C17	5'UTR;TSS200;TSS200
cg01213128	chr5	138629571	0.013	0.024	MATR3;MATR	5'UTR;5'UTR
cg18381051	chr1	2987645	0.004	0.024	PRDM16;PRDM	Body;Body
cg11377730	chr8	17270604	0.012	0.024	MTMR7	Body
cg02364793	chr5	175964512	0.011	0.024	RNF44	TSS200
cg03032574	chr6	33167611	0.015	0.024	SLC39A7;RXRE	TSS1500;Body;TSS1500
cg18363267	chr10	121652380	0.006	0.024	SEC23IP	1stExon
cg01737003	chr2	129390201	-0.01	0.024	-	-
cg10998611	chr14	65879393	0.007	0.025	FUT8;FUT8;FU	5'UTR;TSS200;TSS200;5'UTR;TSS200
cg02273535	chr5	32585547	0.015	0.025	SUB1	TSS200
cg02813021	chr10	180599	0.014	0.025	ZMYND11;ZM	5'UTR;5'UTR;5'UTR;1stExon;1stExon;1stExon
cg05265562	chr2	46848274	-0.014	0.026	CRIP1	Body
cg03929677	chr17	80763460	-0.007	0.026	TBCD	Body
cg21001214	chr12	56497920	0.013	0.026	PA2G4	TSS200
cg25608973	chr2	21022431	0.004	0.026	C2orf43	5'UTR
cg16503057	chr3	49711251	0.025	0.026	APEH	TSS200
cg17105358	chr1	162531703	0.013	0.026	UAP1	5'UTR
cg14616479	chr3	155588124	0.012	0.026	GMPS	TSS200
cg17394176	chr13	44715948	0.007	0.026	-	-
cg13695465	chr6	33266036	0.009	0.026	RGL2;RGL2	Body;Body
cg25019648	chr17	72353261	0.004	0.026	BTBD17	Body
cg03674157	chr3	161090019	0.01	0.026	C3orf57	TSS200
cg05452066	chr5	138298086	-0.005	0.026	SIL1;SIL1	Body;Body
cg24930856	chr8	143396999	-0.011	0.026	TSNARE1	Body
cg26084005	chr2	241760190	0.005	0.026	KIF1A	TSS1500
cg14473243	chr5	137514312	0.026	0.026	BRD8;BRD8;B	5'UTR;1stExon;5'UTR;TSS200;5'UTR;1stExon;1stExon
cg11523538	chr1	244013970	0.021	0.026	-	-
cg08684551	chr19	56652453	0.006	0.026	ZNF444	TSS200
cg20785333	chr3	119013442	0.013	0.026	CDGAP;CDGAP	1stExon;5'UTR
cg11913218	chr1	10754156	0.006	0.026	CASZ1;CASZ1	5'UTR;5'UTR
cg08769276	chr4	186347048	0.006	0.026	UFSP2;UFSP2	1stExon;Body;5'UTR
cg02450613	chr5	37840089	0.008	0.026	GDNF	TSS1500
cg18104321	chr17	47866115	0.006	0.026	MYST2;MYST2	5'UTR;1stExon
cg27197744	chr11	66206230	0.004	0.026	MRPL11;MRPL	5'UTR;5'UTR;5'UTR;1stExon;1stExon;1stExon
cg14252148	chr9	136933880	0.01	0.026	BRD3	TSS1500
cg23054379	chr1	176176226	0.028	0.026	RFWD2;RFWD	5'UTR;1stExon;5'UTR;1stExon
cg12293204	chr3	39219562	0.007	0.026	-	-
cg14150327	chr2	206547084	0.007	0.026	NRP2;NRP2;N	TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg14909464	chr13	29107295	0.008	0.026	-	-
cg19817488	chr7	132763679	-0.005	0.026	CHCHD3	Body
cg14712202	chr1	223104742	-0.009	0.026	DISP1	5'UTR

cg22513511	chr1	151162618	0.008	0.026	VPS72;VPS72	5'UTR;1stExon
cg24647276	chr10	8096311	0.007	0.026	FLJ45983;GAT	TSS1500;TSS1500;TSS1500;TSS1500
cg23651808	chr4	8200974	0.027	0.027	SH3TC1	TSS200
cg04413301	chr14	75726161	0.005	0.027	-	-
cg24490909	chr7	44530414	0.003	0.027	NUDCD3	TSS200
cg11482376	chr11	124709245	0.004	0.027	-	-
cg11809582	chr1	235291861	0.009	0.027	SNORA148;TC	TSS1500;Body
cg15066100	chr19	17413959	0.013	0.027	ABHD8	5'UTR
cg19725774	chr7	44122170	0.008	0.027	POLM	TSS200
cg13623690	chr16	84651800	0.008	0.027	COTL1	TSS200
cg12069423	chr10	15254709	-0.007	0.027	FAM171A1	3'UTR
cg08023276	chr2	201388625	-0.004	0.027	-	-
cg16655805	chr6	74020122	0.005	0.027	C6orf147	TSS200
cg11431720	chr1	225614891	0.005	0.027	LBR;LBR	5'UTR;5'UTR
cg24634519	chr20	13765725	0.01	0.027	C20orf7;C20o	Body;1stExon;1stExon;TSS200
cg19517509	chr12	120933726	0.011	0.027	DYNLL1;DYNLI	TSS200;TSS200;5'UTR
cg20738406	chr15	9023884	0.014	0.027	WDR93;PEX11	TSS200;5'UTR;1stExon
cg26231582	chr15	40675627	0.013	0.027	C15orf23;C15	Body;Body;Body
cg08387285	chr11	86383252	0.014	0.027	ME3;ME3;ME	5'UTR;TSS200;5'UTR
cg16627807	chr19	40596541	0.008	0.027	ZNF780A;ZNF	5'UTR;5'UTR;5'UTR;5'UTR
cg00678239	chr11	65190227	0.013	0.027	NEAT1	TSS200
cg04293888	chr17	7343790	0.005	0.027	FGF11	Body
cg05293701	chr16	56485429	0.008	0.027	NUDT21;OGF	TSS200;1stExon;5'UTR
cg18328894	chr5	175224563	0.004	0.027	CPLX2	5'UTR
cg15831452	chr17	18761345	0.011	0.027	PRPSAP2	TSS200
cg18195333	chr7	156337209	-0.015	0.027	-	-
cg20033082	chr22	18111902	0.008	0.027	ATP6V1E1;ATI	TSS1500;TSS1500;TSS1500
cg20749916	chr13	111767003	0.016	0.027	ARHGEP7;ARH	TSS1500;TSS1500;TSS1500
cg11015117	chr22	31064032	0.006	0.027	DUSP18	TSS200
cg05162533	chr17	74137399	0.005	0.027	FOX11	TSS200
cg20317180	chr19	56111252	0.009	0.028	FIZ1;ZNF524	TSS1500;TSS1500
cg24926370	chr6	31549033	0.006	0.028	LTB;LTB	Body;3'UTR
cg26837479	chr8	146228149	0.007	0.028	ZNF252;C8orf	Body;TSS200
cg07288394	chr19	30205772	0.022	0.028	C19orf12;C19	Body;5'UTR
cg06797533	chr9	19127804	0.006	0.028	PLIN2	TSS1500
cg14509581	chr15	68522181	0.015	0.028	CLN6	TSS200
cg14577366	chr1	16543684	0.006	0.028	-	-
cg01603430	chr16	15693255	-0.009	0.028	KIAA0430	Body
cg23963485	chr19	46367372	0.009	0.028	SYMPK;FOXA3	TSS1500;TSS200
cg10367011	chr12	132434599	0.011	0.028	EP400	5'UTR
cg12602126	chr5	146614352	0.016	0.028	STK32A;STK32	TSS1500;TSS1500
cg26341848	chr5	52657514	-0.005	0.028	-	-
cg15543284	chr2	54785307	0.03	0.028	SPTBN1;SPTBI	TSS1500;Body
cg05096634	chr6	138483208	0.007	0.028	KIAA1244;KIA	1stExon;5'UTR
cg16777839	chr9	139743802	0.007	0.028	PHPT1;PHPT1	1stExon;1stExon;5'UTR;5'UTR
cg00010266	chr8	145734519	0.018	0.028	MFSO3	TSS200
cg09697880	chr9	130370977	0.007	0.028	-	-
cg00094155	chr22	51021438	0.008	0.028	CHKB-CPT1B;C	TSS200;TSS200;TSS200
cg01306161	chr18	55289380	0.008	0.028	NARS	TSS1500
cg11776809	chr4	68411397	0.011	0.028	CENPC1	TSS200
cg04895065	chr16	30107795	0.009	0.028	YPEL3;YPEL3	TSS1500;TSS1500
cg16515820	chr3	114866447	0.014	0.028	ZBTB20	TSS1500
cg20335283	chr10	92631655	0.006	0.028	RPP30;RPP30	TSS200;TSS200
cg26151740	chr19	54641525	0.007	0.028	CNOT3;CNOT	1stExon;5'UTR
cg07799353	chr12	121342288	0.01	0.028	SPPL3	TSS200
cg17286253	chr1	185703489	0.014	0.028	HMCN1	TSS200
cg14363992	chr6	27776350	0.011	0.028	HIST1H2AI;HI	1stExon;TSS1500;TSS1500
cg21657816	chr16	19079446	0.009	0.028	COQ7	Body
cg17291826	chr12	109028356	0.011	0.028	SELPLG	TSS1500
cg16968413	chr4	39183824	0.019	0.028	WDR19	TSS200
cg03626025	chr15	43478095	0.005	0.028	CCNDBP1;CCN	TSS200;Body;Body;Body
cg01768179	chr7	12727247	0.009	0.028	ARL4A;ARL4A	5'UTR;5'UTR;1stExon;5'UTR
cg12031840	chr11	36311375	0.003	0.028	COMMD9;COI	TSS1500;TSS1500
cg03976336	chr1	59613456	-0.009	0.028	LOC729467	TSS1500
cg16699174	chr6	31782883	0.014	0.028	HSPA1A;HSPA	TSS1500;TSS200
cg16882830	chr7	148823965	0.017	0.029	ZNF398;ZNF4	5'UTR;TSS1500
cg20747393	chr1	226496721	0.013	0.029	LIN9	Body
cg11838224	chr17	7287740	0.005	0.029	TNK1	Body
cg00938453	chr17	54991697	0.006	0.029	TRIM25	TSS1500
cg12100077	chr7	23145212	0.004	0.029	KLHL7;KLHL7	TSS200;TSS200
cg13918581	chr16	89557340	0.005	0.029	ANKRD11	TSS1500
cg21438101	chr18	904885	0.016	0.029	ADCYAP1;ADC	TSS1500;TSS200
cg21297562	chr6	45389862	0.013	0.029	RUNX2;RUNX	Body;Body;TSS200
cg23938213	chr13	41239125	0.003	0.029	FOXO1	Body
cg26536358	chr1	203830875	0.004	0.029	SNRPE	Body
cg21237959	chr14	90967496	0.012	0.029	-	-
cg02252907	chr19	2151887	0.005	0.029	AP3D1;AP3D1	TSS1500;TSS1500
cg14827502	chr7	150148025	0.007	0.029	GIMAP8;GIM	5'UTR;1stExon
cg23545105	chr4	48908833	0.031	0.029	OCIAD2;OCIAI	TSS200;TSS200
cg17180631	chr1	201708788	0.006	0.029	NAV1;NAV1	TSS200;Body
cg05603512	chr16	85485648	-0.025	0.029	-	-
cg00735239	chr22	50708947	0.004	0.029	MAPK11	TSS200
cg10285711	chr2	135762012	0.013	0.029	YSK4;YSK4	Body;Body
cg06953065	chr7	70159215	0.042	0.029	AUTS2;AUTS2	Body;Body
cg12578844	chr1	23346212	0.01	0.029	KDM1A;KDM1	1stExon;1stExon
cg24753148	chr11	129993542	-0.01	0.029	APLP2;APLP2	Body;Body;Body;Body
cg07793849	chr7	17338378	0.008	0.029	AHR;AHR	1stExon;5'UTR
cg07504373	chr19	45682841	0.016	0.029	BLOC1S3;TRAI	Body;TSS1500
cg27285618	chr15	85259695	0.021	0.029	SEC11A	TSS200
cg13278267	chr2	38742843	-0.005	0.029	-	-
cg22914188	chr12	110841667	0.01	0.029	ANAPC7;ANAI	TSS200;TSS200
cg06079149	chr16	51796185	0.007	0.029	-	-
cg16222840	chr4	184331680	-0.004	0.029	-	-
cg08437570	chr10	104195699	0.014	0.029	MIR146B	TSS1500
cg25991937	chr5	175964864	0.009	0.029	RNF44	TSS1500
cg11412935	chr1	92950086	0.006	0.029	GFI1;GFI1;GFI	5'UTR;5'UTR;TSS1500
cg25631650	chr19	633157	0.019	0.029	POLRMT	Body
cg02910180	chr11	71955299	0.011	0.029	PHOX2A	TSS200
cg24794107	chr6	33167627	0.005	0.029	SLC39A7;RXRE	TSS1500;Body;TSS1500
cg18930076	chr11	64216573	0.012	0.029	-	-
cg21676273	chr3	45635931	0.018	0.029	LIMD1	TSS1500
cg04187088	chr6	117586225	0.004	0.029	VGLL2;VGLL2	TSS1500;TSS1500
cg26919805	chr22	42016856	0.004	0.029	PPPDE2;XRCCI	5'UTR;TSS1500;1stExon
cg04952599	chr16	2479381	0.006	0.029	CCNF	TSS200
cg24145486	chr19	1054884	-0.015	0.029	ABCA7	Body

cg17081218	chr20	18118712	0.007	0.029	PET117	Body
cg06552660	chr7	11546495	-0.004	0.029	THSD7A	Body
cg24908197	chr19	5714980	-0.004	0.029	LONP1	Body
cg14569576	chr9	102585669	0.005	0.029	NR4A3;NR4A3'5'UTR;5'UTR	
cg21046940	chr5	10760858	0.009	0.029	DAP	Body
cg08195448	chr18	31804723	0.005	0.029	NOL4	TSS1500
cg14302489	chr8	66556779	0.009	0.029	MTFR1;MTFR1:TSS200;TSS200	
cg22496859	chr14	105766987	0.012	0.029	BRF1;BRF1	1stExon;5'UTR
cg08945802	chr11	132946455	-0.012	0.029	OPCML	Body
cg14014471	chr1	178694459	0.005	0.029	RALGPS2;RAL'5'UTR;1stExon	
cg07058132	chr16	1755945	0.021	0.029	MAPK8IP3;M' TSS1500;TSS1500	
cg14924697	chr2	102313669	0.007	0.029	MAP4K4;MAP	TSS1500;TSS1500;TSS1500
cg25849085	chr3	42623215	0.01	0.029	SEC22C;SEC22'5'UTR;5'UTR	
cg11610739	chr17	40075306	0.005	0.029	ACLY;ACLY	TSS200;TSS200
cg00459129	chr12	27167463	0.005	0.029	TM75F3	TSS200
cg16514838	chr16	15528488	0.012	0.029	C16orf45;C16'1stExon;5'UTR	
cg16624284	chr13	30913080	-0.011	0.029	-	
cg11457817	chr5	172755103	0.012	0.029	STC2	1stExon
cg06866451	chr7	84267140	-0.004	0.029	-	
cg25782563	chr17	17380313	0.006	0.029	MED9;MED9	5'UTR;1stExon
cg17829314	chr1	38274017	0.013	0.029	C1orf122;YRD	1stExon;TSS200;5'UTR;5'UTR
cg02308209	chr11	577089	0.006	0.029	PHRF1;LOC14'5'UTR;TSS1500	
cg27247569	chr16	88097866	-0.005	0.029	BANP;BANP	Body;Body
cg25139596	chr2	24270239	0.018	0.029	C2orf44;C2orf	1stExon;5'UTR;5'UTR;1stExon
cg01559726	chr3	54157894	0.006	0.029	CACNA2D3	Body
cg01987515	chr2	232651086	0.006	0.029	COPS7B	TSS200
cg12860500	chr6	31465958	0.007	0.029	MICB;MICB	5'UTR;1stExon
cg10498390	chr4	76912142	0.005	0.029	SDAD1	TSS200
cg06043315	chr8	144640306	0.005	0.029	GSDMD;GSDN	TSS200;5'UTR
cg16581271	chr10	5727477	0.006	0.029	C10orf18	5'UTR
cg22618337	chr10	115510928	-0.005	0.029	C10orf81	TSS1500
cg14711243	chr3	128597701	0.012	0.029	ACAD9	TSS1500
cg13701083	chr2	48338530	0.009	0.029	-	
cg23421177	chr6	146135394	0.007	0.029	FBXO30	5'UTR
cg23427565	chr19	10654418	0.004	0.029	ATG4D	TSS1500
cg16405026	chr2	145281942	0.01	0.029	-	
cg13906548	chr16	75600564	0.01	0.029	GABARAPL2	Body
cg00166741	chr22	38668535	0.01	0.029	TMEM184B	5'UTR
cg01263292	chr12	66583029	0.004	0.029	IRAK3;IRAK3'1stExon;1stExon;5'UTR;5'UTR	
cg14413368	chr4	104119471	0.009	0.029	CENPE	1stExon
cg19354023	chr10	89577882	0.003	0.029	ATAD1;CFLP1'5'UTR;TSS200;1stExon	
cg07161071	chr7	128578164	0.009	0.029	IRF5;IRF5;IRF5	TSS200;TSS200;5'UTR;5'UTR;5'UTR;5'UTR
cg26076960	chr13	48669388	0.012	0.03	MED4	TSS200
cg16130454	chr11	3818853	0.004	0.03	PGAP2;NUP98	TSS200;5'UTR;TSS200;TSS1500;1stExon;1stExon;5'UTR;TSS1500;1stExon;5'UTR;5'UTR;TSS1500;1stExon
cg01161597	chr8	120844978	0.003	0.03	TAF2;TAF2	1stExon;5'UTR
cg04487155	chr16	67596279	0.007	0.03	CTCF	TSS200
cg19355806	chr2	141441408	-0.01	0.03	LRP1B	Body
cg25621393	chr5	149737060	0.007	0.03	TCOF1;TCOF1	TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg10373003	chr17	18057079	0.008	0.03	MYO15A	Body
cg01569204	chr1	218337839	0.006	0.03	-	
cg27202210	chr15	78933671	0.007	0.03	CHRNB4	TSS200
cg22004151	chr6	42952586	0.003	0.03	PPP2R5D;PPP	Body;Body;Body
cg20556936	chr2	176952705	0.008	0.03	-	
cg19483663	chr5	82376472	-0.024	0.03	XRCC4;XRCC4'5'UTR;5'UTR;5'UTR	
ch.19.732135R	chr19	17385198	0.016	0.03	C19orf62;C19	Body;Body
cg22782446	chr6	30685087	0.005	0.03	MDC1;MDC1	1stExon;5'UTR
cg27223727	chr1	161228496	0.007	0.03	PCP4L1	TSS200
cg23163471	chr10	30024328	0.018	0.03	SVIL	5'UTR
cg09902245	chr18	32821202	0.004	0.03	ZNF397;ZNF3'5'UTR;5'UTR	
ch.2.48386772R	chr2	48533268	0.016	0.03	-	
cg02101625	chr16	2040195	0.006	0.03	SYNGR3	1stExon
cg02430347	chr5	140855547	0.004	0.03	PCDHGA4;PCI	Body;Body;Body;Body;Body;Body;TSS200;Body;Body;Body;Body;Body;Body;TSS200;E
cg01233736	chr2	223725624	0.01	0.03	ACSL3;ACSL3	TSS200;TSS200
cg01214321	chr8	26435429	0.009	0.03	DPYSL2;DPYSL	5'UTR;1stExon
cg00998168	chr1	1590443	0.009	0.03	CDK11B;CDK1	Body;Body;Body;Body;5'UTR
cg16172408	chr7	88388622	0.006	0.03	ZNF804B	TSS200
cg16487237	chr3	137487248	0.01	0.03	-	
cg25312966	chr22	24408316	0.012	0.03	CABIN1	5'UTR
cg22897198	chr6	36391250	0.005	0.03	PXT1	Body
cg23698108	chr20	34652916	0.01	0.03	-	
ch.14.39207337f	chr14	40137586	0.005	0.03	-	
cg13356884	chr1	110881579	0.01	0.03	RBM15	TSS1500
cg01946574	chr18	7568186	0.011	0.03	PTPRM;PTPRN	Body;Body
cg03868400	chr5	179125946	0.015	0.03	CANX;CANX	5'UTR;5'UTR;1stExon;1stExon
cg25053907	chr4	492859	0.019	0.03	ZNF721;PIGG	5'UTR;TSS200;TSS200;1stExon
cg05870479	chr18	7567426	0.019	0.03	PTPRM;PTPRN	1stExon;1stExon;5'UTR;5'UTR
cg17449851	chr5	66300406	0.008	0.03	MAST4;MAST	Body;Body
cg07520158	chr7	32535189	0.005	0.03	LSMs;AVL9;LS	TSS1500;1stExon;TSS1500;5'UTR
cg20265733	chr20	61051032	0.01	0.03	GATA5	TSS200
cg27306787	chr22	19879176	0.007	0.03	TXNRD2	Body
cg24073064	chr17	58042324	0.004	0.03	RNF1	TSS1500
cg05024413	chr4	128703335	0.018	0.03	HSPA4L	TSS200
cg09869042	chr22	42343253	0.004	0.03	CENPM;CENPI	TSS200;TSS200
cg03456872	chr22	29279967	0.004	0.03	ZNRF3;ZNRF3	5'UTR;1stExon
cg19340278	chr10	97453975	0.006	0.03	TCTN3;TCTN3	TSS200;TSS200
cg01097940	chr12	6982320	0.01	0.03	SPSB2;SPSB2	5'UTR;5'UTR
cg04933601	chr1	74945347	-0.004	0.03	TNNI3K;TNNI3	Body;Body
cg03774540	chr18	21269080	0.005	0.03	LAMA3;LAMA	TSS1500;TSS1500
cg00164542	chr18	33709842	0.011	0.03	ELP2;SLC39A6	TSS200;TSS1500;TSS1500
cg25109393	chr5	73936428	0.01	0.03	ENC1;ENC1	1stExon;5'UTR
cg09540121	chr6	30294203	0.016	0.03	TRIM39;HCG1	TSS1500;Body;Body;TSS1500
cg20203352	chr2	66803837	0.014	0.03	-	
cg24494967	chr13	60738284	0.012	0.03	DIAPH3	TSS200
cg07513188	chr2	178257585	0.004	0.03	LOC10013069	TSS200;1stExon
cg25372135	chr1	173793934	0.006	0.03	CENPL;DARS2	TSS1500;1stExon;5'UTR;TSS200;TSS200
cg23323627	chr1	153895881	0.012	0.03	GATAD2B	TSS1500
cg13366587	chr1	117664538	0.01	0.03	TRIM45;TRIM	TSS200;TSS200
cg20979896	chr20	30539958	0.004	0.03	PDRG1	TSS200
cg15988239	chr11	34937559	0.011	0.03	PDHX;APIP;PD	TSS200;Body;TSS200;TSS200
cg12432709	chr18	52627333	-0.006	0.03	CCDC68	TSS1500
cg05771701	chr12	123259330	0.005	0.03	CCDC62;CCDC	Body;Body;Body
cg20513721	chr9	99417733	0.003	0.03	C9orf21	TSS200
cg15395818	chr6	74363913	0.015	0.03	SLC17A5	TSS200
cg05720937	chr2	98280362	0.012	0.03	ACTR1B;ACTR	1stExon;5'UTR
cg04601383	chr19	6713459	-0.008	0.03	C3	Body

cg04946948	chr11	71196653 -0.008	0.03	NADSYN1	Body
cg27007356	chr12	132547302 -0.015	0.03	EP400	Body
cg09486406	chr2	241771855 0.006	0.03	-	-
cg10133578	chr12	53765187 0.005	0.03	-	-
cg06940705	chr1	14924712 0.01	0.031	KIAA1026;KIA	TSS1500;TSS1500
cg25026529	chr1	91183051 0.012	0.031	BARHL2	TSS1500
cg11037424	chr20	62612592 0.018	0.031	PRPF6;PRPF6	1stExon;5'UTR
cg06967118	chr6	108879610 0.004	0.031	FOXO3	TSS1500
cg25402685	chr13	52980264 0.011	0.031	THSD1;THSD1	5'UTR;1stExon;5'UTR;1stExon
cg24049990	chr10	91011593 0.007	0.031	LIPA;LIPA;LIPA	1stExon;1stExon;5'UTR;5'UTR
cg25622487	chr11	95524042 0.002	0.031	FAM76B;CEP5	TSS1500;Body
cg26272220	chr12	81471884 0.006	0.031	ACSS3;ACSS3	1stExon;5'UTR
cg25804018	chr8	140716671 0.017	0.031	KCNK9	TSS1500
cg15631323	chr14	34420468 0.007	0.031	EGLN3	TSS200
cg11399754	chr5	64920452 0.003	0.031	C5orf44;TRIM	TSS200;TSS1500;TSS200;TSS200;TSS1500;TSS200;TSS1500
cg06753281	chr1	6086652 0.007	0.031	KCNAB2;KCNAB2	5'UTR;5'UTR
cg22093503	chr11	43964098 0.003	0.031	LOC387763	TSS200
cg20312205	chr13	84456308 0.006	0.031	SLITRK1;SLITRK1	1stExon;5'UTR
cg16466899	chr7	23510693 0.006	0.031	IGF2BP3	TSS1500
cg04740941	chr12	27933666 0.021	0.031	KLHDC5	1stExon
cg11313997	chr5	177027589 0.007	0.031	B4GALT7	Body
cg21255626	chr19	29704222 0.007	0.031	UQCRF51	TSS200
cg09122657	chr1	9294913 0.006	0.031	H6PD;H6PD	5'UTR;1stExon
cg17216600	chr6	52442344 0.012	0.031	TRAM2	TSS1500
cg24879395	chr17	48785255 0.01	0.031	ANKRD40;ANKRD40	1stExon;5'UTR
cg26132853	chr20	2632587 0.005	0.031	MIR1292;NOP	TSS1500;TSS1500;TSS1500
cg04874239	chr12	53004326 0.012	0.031	KRT73	Body
cg06108459	chr6	43089049 -0.005	0.031	PTK7;PTK7;PT	Body;Body;Body;Body
cg16168885	chr1	179548211 -0.009	0.031	-	-
cg24768649	chr2	213402181 0.006	0.031	ERBB4;ERBB4	Body;Body
cg05423688	chr17	43299201 0.011	0.031	FMNL1	TSS200
cg06731942	chr15	66586493 0.009	0.031	DIS3L1;DIS3L1	Body;5'UTR
cg10605442	chr20	61847878 0.019	0.031	YTHDF1	TSS1500
cg08569842	chr22	29711459 0.011	0.031	RASL10A;RASL10A	5'UTR;1stExon;5'UTR;1stExon
cg06688848	chr16	57220097 0.004	0.031	RSPRY1;FAM1	TSS200;TSS200
cg11732257	chr1	235492059 0.01	0.031	GGPS1;ARID4	5'UTR;TSS1500;1stExon;5'UTR;5'UTR;TSS1500;1stExon
cg17109461	chr6	31940352 0.006	0.031	STK19;STK19;j	Body;Body;TSS1500;Body
cg21872336	chr7	1710378 0.003	0.031	-	-
cg04639396	chr7	27190539 0.008	0.031	-	-
cg24906519	chr6	53409386 0.005	0.031	GCLC	1stExon
cg07632694	chr21	40555409 0.004	0.031	PSMG1;PSMG1	1stExon;5'UTR;5'UTR;1stExon
cg03061682	chr15	28352098 0.003	0.031	-	-
cg09183388	chr5	176237304 0.008	0.031	UNC5A	TSS1500
cg09823095	chr7	130419042 0.006	0.031	KLF14	TSS200
cg21345145	chr6	33383226 -0.006	0.031	PHF1;PHF1;PH	Body;Body;Body
cg06147143	chr4	141564271 -0.011	0.031	TBC1D9	Body
cg21916108	chr8	106330559 0.003	0.031	ZFPM2	TSS1500
cg12616277	chr3	138153763 0.017	0.031	ESYT3	1stExon
cg03558807	chr5	111495981 -0.004	0.031	NCRNA00219	TSS1500;TSS1500
cg01811416	chr1	227127838 0.03	0.031	CABC1	TSS200
cg25774529	chr12	56122229 0.007	0.031	CD63;CD63	5'UTR;5'UTR
cg27051290	chr11	85521839 0.014	0.031	SYTL2	5'UTR
cg07355590	chr7	133812072 0.004	0.031	LRGUK	TSS200
cg23035897	chr1	202317921 0.007	0.031	PPP1R12B;PPP1R12B	1stExon;5'UTR;1stExon;1stExon;5'UTR;5'UTR;5'UTR;1stExon
cg08850461	chr5	87990082 0.028	0.031	-	-
cg02517919	chr5	32313281 0.005	0.031	MTMR12	TSS200
cg01554096	chr16	27561374 0.008	0.031	GTFC1;KIAAC	TSS200;TSS200
cg04984958	chr19	14247607 0.005	0.031	ASF1B	TSS200
cg03834885	chr6	130340856 0.005	0.031	L3MBTL3;L3MBTL3	5'UTR;5'UTR
cg09130963	chr1	55353157 0.01	0.032	DHCR24	TSS1500
cg05745871	chr17	78125475 -0.005	0.032	-	-
cg00462202	chr11	67374668 0.012	0.032	NDUVF1;NDUVF1	Body;Body
cg17974142	chr3	113464438 0.012	0.032	ATP6V1A;NAA	TSS1500;Body
cg09669853	chr4	166794895 0.016	0.032	TLL1;TLL1	1stExon;5'UTR
cg00907198	chr3	153811985 -0.003	0.032	-	-
cg27181343	chr3	125314566 0.007	0.032	OSBP1L1	TSS200
cg17505193	chr1	896310 0.008	0.032	KLHL17	Body
cg18169385	chr12	42877658 0.01	0.032	PRICKLE1;PRICKLE1	5'UTR;1stExon;5'UTR;1stExon;TSS1500;5'UTR
cg21123509	chr7	44163430 0.006	0.032	POLD2;POLD2	TSS1500;TSS1500
cg26167161	chr3	40351380 0.035	0.032	EIF1B;EIF1B	1stExon;5'UTR
cg21819468	chr1	13910569 0.007	0.032	PDPN;PDPN;P	TSS1500;TSS1500;1stExon;1stExon
cg18022728	chr7	44122477 0.007	0.032	POLM	TSS1500
cg24793903	chr17	45918221 0.005	0.033	SCRN2;SCRN2	5'UTR;5'UTR
cg22994808	chr20	33146521 0.012	0.033	MAP1LC3A;M	1stExon;5'UTR;Body
cg13102822	chr7	155261295 0.022	0.033	-	-
cg23830037	chr17	17991318 0.013	0.033	DRG2;DRG2	5'UTR;1stExon
cg18824560	chr2	70485148 0.005	0.033	PCYOX1	TSS200
cg07065941	chr8	103667760 0.006	0.033	KLF10	Body
cg04458206	chr10	135204501 -0.004	0.033	PAOX;PAOX;P	Body;Body;3'UTR
cg25589956	chr3	186545102 0.011	0.033	-	-
cg01709348	chr6	31628417 0.008	0.033	C6orf47;C6orf47	5'UTR;1stExon
cg20415365	chr1	202780428 0.008	0.033	-	-
cg21705063	chr6	108279337 0.007	0.033	SEC63;SEC63	1stExon;5'UTR
cg27228168	chr16	54320674 0.012	0.033	IRX3	TSS1500
cg13414916	chr10	17272616 0.007	0.033	VIM	Body
cg09049376	chr2	175113607 0.006	0.033	OLA1;OLA1	TSS1500;TSS1500
cg05312278	chr15	43803195 0.005	0.033	TP53BP1	TSS1500
cg01139508	chr3	44626538 0.006	0.033	ZNF660	5'UTR
cg06007320	chr2	198569882 0.036	0.033	mar-02	TSS1500
cg11463612	chr2	173292636 0.035	0.033	ITGA6;ITGA6	1stExon;1stExon
cg00975979	chr22	42310846 0.006	0.033	-	-
cg00589639	chr17	73663253 0.009	0.033	RECQL5;SAP3	5'UTR;TSS200;1stExon;5'UTR;5'UTR;1stExon;1stExon
cg01070161	chr3	197547891 -0.002	0.033	LRCH3	Body
cg10924691	chr14	21439548 0.01	0.033	-	-
cg26208419	chr5	473447 0.013	0.033	SLC9A3;LOC28	3'UTR;TSS1500
cg22021178	chr1	218520468 0.006	0.033	TGFB2;TGFB2	Body;Body
cg04230662	chr1	1343134 0.018	0.033	MRPL20	TSS1500
cg07944724	chr17	38297048 0.014	0.033	CASC3	Body
cg15605172	chr2	111639212 -0.03	0.033	ACOXL;ACOXL	Body;Body;Body
cg11155414	chr14	23341587 0.039	0.033	LRP10	Body
cg04133097	chr20	2082443 0.005	0.033	STK35	TSS200
cg14466759	chr7	101518899 -0.01	0.033	CUX1;CUX1;C1	Body;Body;Body
cg01253826	chr2	202316104 0.005	0.033	TRAK2;TRAK2	5'UTR;1stExon;TSS1500
cg22078451	chr5	58335681 0.006	0.033	PDE4D;PDE4D	Body;Body;Body
cg25513133	chr6	149887296 0.006	0.033	C6orf72	TSS1500

cg10190161	chr2	172778811	0.01	0.033	HAT1;HAT1	TSS200;TSS200
cg06952751	chr18	21083211	0.007	0.033	C18orf8	TSS1500
cg11091004	chr6	29716804	0.006	0.033	LOC285830;LC	Body;Body
cg13562386	chr1	159895724	0.006	0.033	TAGLN2	TSS1500
cg07438246	chr3	14446645	-0.064	0.033	SLC6A6;SLC6A	5'UTR;5'UTR
cg21100497	chr10	93668770	0.015	0.033	FGFBP3	5'UTR
cg17553389	chr17	66243667	0.006	0.033	AMZ2;AMZ2;	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg02944934	chr17	18218205	0.004	0.034	TOP3A;TOP3A	1stExon;5'UTR;TSS1500
cg20979602	chr5	78908130	0.003	0.034	PAPD4;PAPD4	TSS200;TSS200;TSS200
cg12727978	chr17	44075500	-0.012	0.034	MAPT;MAPT;	Body;Body;Body;Body;Body;TSS1500
cg00185566	chr1	14925856	0.004	0.034	KIAA1026;KIA	Body;Body
cg16389252	chr1	894601	0.004	0.034	KLHL17;NOC2	TSS1500;1stExon
cg16022575	chr1	47904465	0.006	0.034	FOX2	1stExon
cg16401490	chr1	10704953	-0.004	0.034	CASZ1	Body
cg22560410	chr5	139422625	0.007	0.034	NRG2;NRG2;	N 1stExon;1stExon;1stExon;1stExon
cg00300664	chr10	65224816	0.007	0.034	JMID1C;LOC8	-Body;TSS200
cg18935660	chr11	75379867	0.011	0.034	MAP6;MAP6	TSS1500;TSS1500
cg25846074	chr7	42277071	0.014	0.034	GLI3	TSS1500
cg17701785	chr2	30369896	0.006	0.034	YPEL5;YPEL5;	5'UTR;1stExon;1stExon;5'UTR;1stExon;1stExon;5'UTR;5'UTR
cg14588598	chr10	22893655	-0.005	0.034	PIP4K2A	Body
cg05992357	chr17	46670933	0.006	0.034	LOC404266;LC	-Body;Body;Body;1stExon;Body
cg07081770	chr7	155241685	0.012	0.034	-	-
cg26568880	chr6	31926569	0.005	0.034	RDBP;SKIV2L	5'UTR;TSS200
cg08207256	chr19	10828848	0.012	0.034	DNM2;DNM2;	5'UTR;1stExon;5'UTR;5'UTR;1stExon;1stExon;5'UTR;TSS1500;1stExon
cg21943797	chr2	8821414	0.003	0.034	ID2	TSS1500
cg03585053	chr2	240169028	-0.013	0.034	HDAC4	Body
cg05941624	chr6	158402524	0.007	0.034	SYNJ2	TSS1500
cg18102098	chr14	78432386	0.037	0.034	-	-
cg02002584	chr9	131843079	0.017	0.034	DOLPP1;DOLP	TSS1500;TSS1500
cg09156769	chr6	158652778	0.009	0.034	-	-
cg04707074	chr2	43454972	0.008	0.034	ZFP36L2;LOC1	TSS1500;Body
cg09179008	chr6	30615430	0.005	0.034	C6orf136;C6o	Body;1stExon;Body
cg21988119	chr19	17958937	0.004	0.034	JAK3	TSS200
cg01906430	chr9	123964445	0.004	0.034	RAB14	TSS200
cg06425443	chr5	16466328	0.007	0.034	ZNF622	TSS1500
cg04534122	chr5	37371047	0.006	0.034	NUP155;NUP1	1stExon;TSS200
cg23449780	chr9	4985123	0.008	0.034	JAK2	TSS200
cg22177356	chr20	278074	0.008	0.034	ZCCHC3	TSS200
cg07083384	chr2	75836410	0.02	0.034	-	-
cg17507573	chr15	79382998	0.01	0.034	RASGRF1;RAS	5'UTR;1stExon;1stExon;5'UTR
cg24395907	chr1	19229633	0.007	0.034	ALDH4A1;ALD	TSS1500;TSS1500
cg08824895	chr13	115047677	0.007	0.034	UPF3A;UPF3A	Body;Body
cg00721603	chr4	42400738	0.011	0.034	SHISA3	Body
cg08891920	chr1	12089874	-0.005	0.034	MIIP	Body
cg15865175	chr13	32890215	0.006	0.034	BRCA2	5'UTR
cg07252257	chr6	44214215	0.007	0.034	HSP90AB1	TSS1500
cg07919108	chr10	102984661	0.006	0.034	-	-
cg27347728	chr4	17578864	0.017	0.034	LAP3	TSS200
cg21774377	chr6	34760070	0.015	0.034	UHRF1BP1	1stExon
cg24512132	chr1	229478138	0.005	0.034	C1orf96	Body
cg17374677	chr20	2489892	0.007	0.034	ZNF343	TSS200
cg14451216	chr4	110751842	-0.01	0.034	RRH	Body
cg02011489	chr3	185216311	0.021	0.034	TMEM41A	Body
cg02836840	chr22	24115022	0.007	0.034	MMP11	TSS200
cg11586658	chr5	131563581	0.005	0.034	P4HA2;P4HA2	TSS200;TSS200;TSS1500;TSS1500
cg02865149	chr11	58939797	0.01	0.034	DTX4	TSS200
cg08440521	chr4	142054878	0.014	0.034	RNF150	TSS1500
cg11480019	chr10	75936982	0.015	0.034	ADK;ADK	Body;Body
cg07106832	chr17	73285616	0.014	0.034	SLC25A19;SLC	TSS200;TSS200;TSS200
cg05144067	chr10	124905105	0.006	0.034	-	-
cg09231412	chr1	19924001	0.008	0.034	C1orf151	Body
cg11547878	chr8	145138225	0.007	0.034	GPA1	Body
cg25711078	chr3	132379275	0.011	0.034	UBAS5;UBAS5;	A 5'UTR;5'UTR;TSS1500;1stExon
cg03934150	chr1	244212074	0.016	0.034	-	-
cg19425761	chr1	28586733	0.006	0.034	SES2	Body
cg25686860	chr3	128206949	0.003	0.034	GATA2;GATA2;	5'UTR;5'UTR;TSS200
cg06044117	chr11	95523445	0.013	0.034	FAM76B;CEP5	TSS1500;TSS200
cg01174447	chr16	577030	0.005	0.034	SOLH;C16orf1	TSS1500;Body
cg08385874	chr21	46352445	0.009	0.034	-	-
cg18768453	chr12	15374560	0.007	0.034	RERG	TSS1500
cg03995852	chr6	32812410	0.002	0.034	PSMB8;PSMB8;	5'UTR;TSS1500;1stExon
cg09970511	chr6	56823640	-0.006	0.034	BEND6	5'UTR
cg12977146	chr22	20850163	0.006	0.034	KLHL22	TSS200
cg15511114	chr6	87865850	0.007	0.034	ZNF292	Body
cg26767761	chr13	20533755	0.005	0.034	ZMYM2;ZMYA	5'UTR;5'UTR
cg10133248	chr10	35893437	-0.009	0.034	GJD4	TSS1500
cg09691340	chr17	42402882	0.005	0.034	SLC25A39;SLC	TSS1500;TSS1500
cg26266308	chr8	66701194	-0.004	0.034	PDE7A;PDE7A	1stExon;5'UTR;Body
cg17393702	chr4	7072552	0.016	0.034	-	-
cg22318996	chr7	77428337	0.005	0.034	PHTF2;PHTF2;	5'UTR;5'UTR;TSS1500
cg07668802	chr2	137181300	0.005	0.034	-	-
cg03780545	chr8	67940913	0.007	0.034	LRR67	TSS200
cg22963133	chr5	53606234	0.019	0.034	ARL15	Body
cg14430979	chr12	89746612	0.009	0.035	DUSP6;DUSP6	TSS1500;TSS1500
cg07600884	chr1	90286190	0.022	0.035	LRR68;LRR68	TSS1500;TSS1500
cg11835068	chr1	4714974	0.015	0.035	AJAP1;AJAP1	TSS200;TSS200
cg27629583	chr1	151431750	0.009	0.035	POG2;POG2;	P 1stExon;5'UTR;5'UTR;1stExon;1stExon
cg02265740	chr12	1800103	0.005	0.035	ADIPOR2	TSS200
cg20737185	chr6	110679566	0.015	0.035	C6orf186	TSS200
cg09629019	chr15	81616489	0.006	0.035	STAR5;STAR1	5'UTR;1stExon
cg11608114	chr12	122241139	0.014	0.035	LOC338799;SE	Body;TSS1500
cg11360860	chr3	32490499	-0.006	0.035	CMTM7;CMTM	Body;Body
cg03284113	chr19	1235093	-0.006	0.035	C19orf26	Body
cg04677163	chr7	116165941	0.019	0.035	CAV1	Body
cg18612714	chr19	12595655	0.009	0.035	ZNF709;ZNF7	(TSS200);5'UTR
cg11309039	chr5	133702676	0.01	0.035	CDKL3;CDKL3;	5'UTR;5'UTR;1stExon;1stExon
cg26090855	chr10	89622573	0.021	0.035	PTEN;KILLIN;	K TSS1500;1stExon;5'UTR
cg03870976	chr4	530048	-0.007	0.035	PIGG;PIGG	Body;Body
cg11152364	chr17	16257010	0.008	0.035	CENPV	TSS200
cg12743743	chr12	56321208	0.01	0.035	WIBG;WIBG	Body;TSS1500
cg26139475	chr5	151138080	0.005	0.035	ATOX1	Body
cg12484411	chr8	110099683	-0.006	0.035	TRHR	TSS200
cg01620729	chr11	27494201	0.006	0.035	LGR4;LGR4	1stExon;5'UTR
cg09130402	chr18	54306120	0.004	0.035	TXNL1;TXNL1	TSS1500;TSS1500
cg14334965	chr14	100705150	0.009	0.035	YY1;YY1	1stExon;5'UTR

cg10574418	chr3	21447508 -0.03	0.035	VENTXP7	Body
cg12246996	chr2	26100811 0.005	0.035	ASXL2	Body
cg13685833	chr1	53393034 0.012	0.035	SCP2;SCP2;SCL5'UTR;1stExon;1stExon;5'UTR	
cg19157243	chr5	122424706 0.003	0.035	PRDM6	TSS200
cg04916107	chr7	94537805 0.008	0.035	PPP1R9A;PPP1R9A;TSS1500;5'UTR;TSS1500;TSS1500;5'UTR	
cg11941546	chr17	7165842 0.007	0.035	CLDN7	TSS200
cg04111064	chr3	138666048 0.005	0.035	FOXL2;C3orf7;TSS200;TSS200	
cg05069385	chr6	32098247 0.003	0.035	FKBP1	TSS200
cg05867960	chr13	113666057 0.004	0.035	ING1;ING1;INB;Body;1stExon;5'UTR;TSS1500;5'UTR	
cg06171076	chr6	26156557 0.005	0.035	HIST1H1E	TSS200
cg2270790	chr19	58716032 -0.022	0.035	ZNF274;ZNF274;Body;Body;5'UTR	
cg04389822	chr18	76755488 -0.012	0.035	SALL3	Body
cg07221204	chr15	64648505 0.006	0.035	CSNK1G1	TSS200
cg06393300	chr6	116601139 0.004	0.035	DSE;TSPYL1;TSS200;1stExon;5'UTR	
cg08453784	chr8	144417122 0.006	0.035	TOP1MT	TSS200
cg11842965	chr4	140223616 0.004	0.035	NAA15	Body
cg14784847	chr3	128209252 0.008	0.035	GATA2	5'UTR
cg14851846	chr7	99716985 0.01	0.035	TAFA6;TAFA6;TA TSS200;TSS200;TSS200;TSS1500;TSS200	
cg27591807	chr6	30509614 0.007	0.035	GNL1	3'UTR
cg15498283	chr11	747520 0.009	0.035	TALDO1	1stExon
cg25765619	chr20	39318100 0.017	0.035	MAFB	TSS1500
cg08047417	chr3	167098121 0.005	0.035	ZBBX	TSS200
cg25223851	chr4	106395307 0.021	0.035	PPA2;PPA2;PP TSS200;TSS200;TSS200;TSS200;TSS200	
cg23033866	chr17	79670804 0.011	0.035	MRPL12	Body
cg10962166	chr9	140210997 0.013	0.035	EXD3	Body
cg00762613	chr13	36045224 0.005	0.035	NBEA	Body
cg05547888	chr19	58125531 0.008	0.035	ZNF134	TSS1500
cg07920739	chr12	102271195 0.004	0.035	DRAM1;DRAM1;1stExon;5'UTR	
cg27367768	chr5	171615456 0.015	0.035	STK10	TSS200
cg01582807	chr7	99070515 0.016	0.035	ZNF789;ZNF789;1stExon;5'UTR;1stExon	
cg09572029	chr13	28194706 0.011	0.035	POLR1D;LNK2;TSS1500;1stExon;5'UTR;TSS1500	
cg03355909	chr3	5068374 0.008	0.035	-	-
cg12711974	chr3	160473029 0.007	0.035	PPM1L	TSS1500
cg06753376	chr10	27389392 0.008	0.035	ANKRD26;ANKRD26;1stExon	
cg26318047	chr13	48575628 0.005	0.035	SUCLA2	TSS200
cg02802062	chr3	172428840 0.004	0.035	NCEH1;NCEH1;1stExon;5'UTR;1stExon;1stExon;5'UTR;1stExon	
cg04589521	chr2	239890141 -0.016	0.035	-	-
cg05559558	chr6	138483092 0.022	0.035	KIAA1244;KIAA1244;1stExon;5'UTR	
cg25830640	chr3	32022763 0.005	0.035	OSBPL10;ZNF5'UTR;TSS1500	
cg01183579	chr11	66512052 0.005	0.035	C11orf80	TSS200
cg23373788	chr10	75936218 0.004	0.035	ADK;ADK	Body;TSS1500
cg00155593	chr15	60690279 0.006	0.035	ANXA2;ANXA2;TSS200;TSS200;TSS200;TSS200	
cg00911551	chr12	8234647 0.004	0.035	NECAP1;NECAP1;TSS200;TSS200	
cg09326812	chr6	89791453 0.006	0.035	PNRC1	Body
cg13626907	chr16	58767867 0.023	0.035	GOT2	Body
cg01324793	chr1	36349271 0.008	0.035	EIF2C1	Body
cg12527677	chr5	133984389 0.004	0.035	SEC24A	TSS200
cg12968192	chr21	44496270 0.007	0.035	CBS	TSS1500
cg23371050	chr19	44331403 0.009	0.035	ZNF283	TSS200
cg05165935	chr12	113957941 0.017	0.035	-	-
cg23411876	chr7	140396886 0.008	0.035	LOC10013471	TSS200;Body
cg16321228	chr10	3109625 0.007	0.035	PFKP	TSS200
cg14431699	chr16	27121094 0.003	0.035	-	-
cg22389730	chr1	161697241 0.01	0.035	FCRLB	Body
cg05502271	chr15	22892535 0.006	0.035	CYFIP1	TSS200
cg12598364	chr22	38203677 0.002	0.035	GCAT	TSS1500
cg12989851	chr3	147074517 0.059	0.035	-	-
cg16574065	chr17	34257726 0.008	0.035	RDM1;RDM1;TSS1500;Body;1stExon;Body;1stExon;TSS1500;TSS1500;TSS1500;1stExon;TSS1500;1stExon;TSS1500;Body	
cg11354105	chr2	25475805 -0.013	0.035	DNMT3A;DNMT3A;Body;TSS1500;Body	
cg01275687	chr1	72748610 0.009	0.035	NEGR1	TSS1500
cg01999026	chr19	46932100 0.004	0.035	-	-
cg08253513	chr12	53715584 0.02	0.035	AAAS	TSS200
cg23150219	chr19	1237619 0.007	0.035	C19orf26	5'UTR
cg13907049	chr19	1753623 0.006	0.035	ONECUT3	TSS200
cg09754413	chr6	13925567 0.009	0.035	RNF182;RNF182;5'UTR;5'UTR;5'UTR;1stExon;5'UTR	
cg23628684	chr21	30446052 0.016	0.035	CCT8	TSS200
cg15740357	chr19	57791795 0.006	0.035	ZNF460	TSS200
cg08629913	chr12	53491633 0.006	0.035	IGFBP6	1stExon
cg19500730	chr3	49092358 -0.01	0.035	QRICH1;QRICH1;Body;Body	
cg18745965F	chr8	30420648 0.003	0.035	RBPMS;RBPMS;3'UTR;3'UTR;3'UTR	
cg24741299	chr15	74987869 0.015	0.035	EDC3;EDC3;EC5'UTR;5'UTR;5'UTR	
cg26829318	chr5	95158068 0.003	0.035	GLRX;GLRX	Body;Body
cg08211145	chr7	82074180 -0.006	0.035	CACNA2D1	TSS1500
cg25231907	chr11	57298543 0.009	0.035	TIMM10	TSS1500
cg10635786	chr11	73019496 0.005	0.035	ARHGAP17	TSS200
cg00294419	chr3	23244681 0.011	0.035	UBE2E2	TSS200
cg03839934	chr5	95997987 0.011	0.035	CAST;CAST;CA5'UTR;5'UTR;1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon;1stExon;1stExon	
cg00866572	chr7	72847886 0.021	0.035	FZD9	TSS1500
cg08361399	chr16	53088769 0.012	0.035	CHD9	TSS200
cg12601643	chr1	213031375 0.005	0.035	LQK1;FLVCR1;Body;TSS1500;Body	
cg12218895	chr20	3898940 -0.005	0.035	PANK2;MIR10	Body;TSS1500;Body;Body
cg03538733	chr16	47175912 0.005	0.035	NETO2	Body
cg04249460	chr6	41040849 0.007	0.035	NFYA;NFYA;Ce5'UTR;5'UTR;TSS1500	
cg02114449	chr3	20227940 0.005	0.035	SGOL1;SGOL1	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg19909111	chr2	232329248 0.013	0.035	NCL	TSS200
cg24744172	chr2	236402993 0.003	0.035	AGAP1;AGAP1;1stExon;1stExon;5'UTR;5'UTR	
cg07556403	chr20	62152146 0.017	0.035	PPDPF;PPDPF	5'UTR;1stExon
cg25964007	chr17	9479910 0.005	0.035	WDR16;WDR16	TSS200;TSS200;TSS1500
cg07339137	chr3	87276419 0.006	0.035	CHMP2B;CHMP2B	1stExon;5'UTR
cg08577384	chr10	30024811 0.007	0.035	SVIL	TSS200
cg24320643	chr2	9695596 0.006	0.035	ADAM17	Body
cg23426238	chr7	103086367 0.009	0.035	SLC26A5;SLC26A5;5'UTR;5'UTR;5'UTR;5'UTR	
cg01146501	chr5	110849552 -0.005	0.035	STAR4	TSS1500
cg08615371	chr12	12503544 0.029	0.035	MANSC1	TSS1500
cg18113270	chr11	102713490 -0.005	0.035	MMP3	Body
cg07576857	chr5	179635981 0.01	0.035	RASGEF1C	5'UTR
cg21008602	chr8	65492936 0.009	0.035	BHLHE22;BHLHE22;1stExon;5'UTR	
cg06498773	chr7	27779421 0.007	0.035	TAX1BP1;TAX1BP1	TSS1500;TSS1500
cg17721173	chr20	31350173 0.008	0.035	DNMT3B;DNMT3B	TSS200;TSS200;TSS200
cg26856871	chr21	45363775 -0.004	0.035	AGPAT3;AGPAT3	5'UTR;5'UTR
cg18145011	chr5	133861078 0.008	0.035	PHF15	TSS1500
cg04145998	chr6	2415281 -0.002	0.035	-	-
cg18625804	chr14	52598624 0.007	0.035	-	-
cg08944400	chr7	77045405 0.005	0.035	PION	Body
cg25945732	chr2	264204 0.004	0.035	ACP1;SH3YL1;TSS1500;TSS200;TSS200;TSS1500;TSS1500;TSS1500	

cg18738311	chr7	64254934	0.02	0.035	ZNF138;ZNF15	5'UTR;Body;1stExon;1stExon;5'UTR;Body
cg04219510	chr14	64010574	0.008	0.035	PPP2R5E	TSS1500
cg13378886	chr1	26232871	0.01	0.035	STMN1;STMN	TSS1500;5'UTR;5'UTR;5'UTR
cg22495611	chr19	38865055	0.004	0.035	PSMD8	TSS200
cg14898116	chr10	17272764	0.012	0.035	VIM	Body
cg14676817	chr1	39457257	0.003	0.035	AKIRIN1;AKIRI	1stExon;1stExon
cg04709681	chr2	201827968	0.003	0.035	ORC2L	5'UTR
cg24157131	chr5	150827053	0.004	0.035	SLC36A1	TSS200
cg10098888	chr2	227665799	0.006	0.035	-	-
cg24953179	chr7	37960251	0.006	0.035	EPDR1	1stExon
cg05660570	chr19	50432873	0.011	0.035	NUP62;NUP62	TSS200;TSS200;TSS200;TSS200;5'UTR;TSS200
cg03970039	chr1	6550645	0.004	0.035	PLEKHG5;PLEE	5'UTR;TSS200;Body;Body
cg13170450	chr1	32645365	0.006	0.035	TXLNA;TXLNA	1stExon;5'UTR
cg14145355	chr9	94712780	0.01	0.035	ROR2	TSS1500
cg06226973	chr2	179315633	0.009	0.035	PRKRA;PRKRA	Body;TSS200;TSS1500;Body;TSS1500
cg00858973	chr7	30174585	0.007	0.035	C7orf41;C7orf	1stExon;5'UTR
cg16660359	chr16	3812653	-0.029	0.035	CREBBP;CREBI	Body;Body
cg07963760	chr1	120612152	0.006	0.035	NOTCH2;NOTI	1stExon;5'UTR
cg12471156	chr6	155054259	0.005	0.035	RBM16	TSS1500
cg03568039	chr20	52561293	-0.004	0.035	BCAS1	3'UTR
cg05277141	chr17	80656644	0.015	0.035	RAB40B	TSS200
cg11362988	chr7	1706883	0.015	0.035	-	-
cg16006969	chr11	47586994	0.022	0.035	PTPMT1;PTPA	5'UTR;1stExon;1stExon;5'UTR
cg00848397	chr17	34948594	0.005	0.035	DHRS11	Body
cg27088191	chr18	46065262	0.01	0.035	KIAA0427;KIA	TSS200;TSS200
cg09517428	chr19	1420630	-0.015	0.035	DAZAP1;DAZA	Body;Body
cg00265415	chr1	235667507	0.005	0.035	B3GALNT2	1stExon
cg11184340	chr7	27702656	0.01	0.035	HIBADH	TSS200
cg16001418	chr19	36393325	0.011	0.035	HCST;HCST	TSS200;TSS200
cg27215033	chr2	177001380	0.01	0.035	-	-
cg12193622	chr3	101567865	0.01	0.035	NFKBIZ;NFKBI	5'UTR;TSS1500
cg10845073	chr5	72144864	0.006	0.035	TNPO1;TNPO1	Body;Body
cg16934178	chr7	93520074	0.006	0.035	TFPI2	TSS200
cg08722883	chr7	129382312	-0.005	0.035	NRF1;NRF1	Body;Body
cg25827710	chr13	46742802	0.01	0.035	LCP1	5'UTR
cg4.161272230	chr4	161052780	0.009	0.035	-	-
cg08402640	chr6	139349771	0.004	0.035	C6orf115	TSS200
cg22385595	chr8	1563040	-0.004	0.035	DLGAP2	Body
cg05894122	chr11	6256091	0.007	0.035	FAM160A2;FA	TSS200;TSS200
cg16115588	chr12	50297588	0.019	0.035	FAIM2;FAIM2	1stExon;5'UTR
cg23244999	chr14	105190337	0.011	0.035	ADSSL1	TSS200
cg23711144	chr16	3108784	0.003	0.035	MMP25	Body
cg03529598	chr11	1847357	-0.004	0.035	-	-
cg06193988	chr2	10442521	0.009	0.035	HPCAL1;HPCA	TSS1500;TSS1500
cg05661139	chr19	20011721	0.008	0.035	ZNF93;ZNF93	1stExon;5'UTR
cg12867763	chr7	106681666	-0.007	0.035	-	-
cg03987890	chr16	69420050	0.006	0.035	TERF2	TSS200
cg18227086	chr11	112097050	0.006	0.035	PTS	TSS200
cg06838302	chr3	151066596	-0.015	0.035	MED12L;P2RY	Body;5'UTR
cg27101602	chr12	124090996	-0.01	0.035	DDX55	Body
cg10160397	chr11	86383464	0.004	0.035	ME3;ME3;ME	TSS200;TSS1500;1stExon;5'UTR
cg19627521	chr6	107077474	0.005	0.035	QRS1L;RTN4I	1stExon;TSS200;5'UTR
cg16684811	chr5	77944851	0.014	0.035	LHFPL2	TSS1500
cg04798154	chr22	51020960	0.008	0.035	CHKB;CHKB-CI	Body;Body;TSS1500
cg10864404	chr6	43395769	0.004	0.035	-	-
cg14937343	chr14	26674391	0.009	0.035	-	-
cg27377213	chr20	37433803	0.009	0.035	PPP1R16B	TSS1500
cg03820795	chr17	4337140	0.005	0.035	SPNS3	TSS200
cg00103685	chr14	75536130	0.009	0.035	FAM164C;FAM	TSS200;TSS200
cg00332877	chr6	42947071	0.008	0.035	PEX6	TSS200
cg14515424	chr2	97193524	0.016	0.035	-	-
cg18314882	chr8	145159734	0.007	0.035	SHARPIN;MAF	TSS1500;1stExon;5'UTR
cg02867818	chr10	180329	0.005	0.035	ZMYND11;ZM	TSS200;TSS200;TSS200
cg01106354	chr16	68278916	0.019	0.035	PLA2G15	TSS1500
cg16585985	chr1	161360266	0.006	0.035	-	-
cg22201153	chr19	42817302	0.016	0.035	TMEM145	TSS200
cg00734760	chr7	74489845	0.007	0.035	WBSCR16	TSS200
cg27076781	chr20	42219517	0.008	0.035	IFT52	TSS200
cg01092293	chr2	160761427	0.005	0.035	LY75	TSS200
cg15022598	chr15	89560878	0.005	0.035	-	-
cg10066151	chr19	57874988	0.002	0.035	ZNF547;TRAP1	1stExon;Body;5'UTR
cg04109220	chr9	35812293	0.005	0.035	SPAG8;SPAG8	TSS200;TSS200
cg11265468	chr6	17987657	0.005	0.035	KIF13A;KIF13A	1stExon;1stExon;1stExon;1stExon
cg08064697	chr6	168814631	-0.005	0.035	-	-
cg01270246	chr19	51228270	0.012	0.035	CLEC11A	Body
cg00049973	chr17	58603597	0.007	0.035	APPBP2	TSS200
cg22541378	chr6	7726967	0.01	0.035	BMP6	TSS200
cg10731910	chr3	45430029	0.004	0.035	LARS2	TSS200
cg05210480	chr7	24539647	-0.008	0.035	-	-
cg27114680	chr11	118799487	0.013	0.035	-	-
cg26551072	chr17	67530480	-0.004	0.035	MAP2K6	Body
cg18141744	chr11	69924156	0.01	0.035	ANO1	TSS1500
cg18296308	chr11	2422154	0.013	0.035	TSSC4	TSS1500
cg15500658	chr1	16174610	0.007	0.035	SPEN;FLJ3745	1stExon;Body
cg21739210	chr12	49504691	0.008	0.035	LMBR1L	TSS200
cg11580663	chr1	154244759	0.006	0.035	HAX1;HAX1	TSS1500;TSS1500
cg08131059	chr2	469790	-0.008	0.035	-	-
cg19072251	chr7	148787821	0.006	0.035	ZNF786;ZNF7	5'UTR;1stExon
cg26233374	chr5	43603643	0.006	0.035	NNT;NNT	5'UTR;5'UTR
cg15132922	chr3	9974529	0.01	0.035	IL17RC;CRELD	Body;TSS1500;TSS1500;Body;Body
cg10565512	chr14	75748252	-0.018	0.035	FOS	3'UTR
cg13504215	chr3	30648325	0.014	0.035	TGFB2;TGFB1	5'UTR;5'UTR;1stExon;1stExon
cg07114770	chr1	144932136	0.004	0.035	PDE4DIP;PDE4	TSS200;Body;Body
cg10675568	chr13	113597492	0.005	0.035	-	-
cg01428115	chr11	46402506	0.007	0.035	MDK;MDK;MT	TSS200;TSS1500;TSS1500
cg05062179	chr17	76987630	-0.006	0.035	-	-
cg09109477	chr12	56727861	0.006	0.035	PAN2;PAN2;P	TSS1500;TSS200;TSS200
cg01947585	chr15	59225861	0.004	0.035	SLTM;SLTM	TSS200;TSS200
cg16954204	chr6	20212978	0.005	0.035	MBOAT1	TSS1500
cg09466067	chr16	2581732	0.021	0.035	CEMP1	TSS1500
cg18711899	chr14	99947545	0.004	0.035	SETD3;CCNK;C	TSS1500;TSS200;TSS200;TSS1500
cg22122976	chr19	39341095	0.003	0.035	HNRNPL;HNR1	5'UTR;TSS1500
cg08641214	chr8	124253374	0.005	0.035	C8orf76	Body
cg02980152	chr3	81810999	0.01	0.035	GBE1	TSS200
cg03732936	chr1	224371029	0.005	0.035	DEGS1;DEGS1	5'UTR;5'UTR;1stExon;1stExon

cg06258672	chr15	51387677	0.016	0.037	TNFAIP8L3	Body
cg11251069	chr17	57785042	0.005	0.037	PTRH2;TMEM	TSS200;5'UTR;1stExon
cg02904093	chr16	56485054	0.006	0.037	NUDT21;OGF	1stExon;TSS1500
cg15572535	chr21	30671155	0.006	0.037	BACH1;BACH1	TSS1500;TSS200
cg06593406	chr17	46696139	0.013	0.037	-	-
cg19932343	chr11	66610763	0.006	0.037	RCE1;C11orf8	TSS200;3'UTR;TSS200
cg24718163	chr3	125314451	0.009	0.037	OSBP1L1	TSS200
cg18422603	chr3	156878604	0.006	0.037	CCNL1	TSS200
cg12314510	chr17	56161063	0.008	0.037	DYNLL2	5'UTR
cg21191365	chr14	90529014	0.008	0.037	KCNK13	Body
cg11418595	chr2	177052486	0.024	0.037	HOXD1	TSS1500
cg20249462	chr22	29784778	0.005	0.037	AP1B1;AP1B1	TSS1500;TSS1500;TSS1500
cg04389426	chr9	16871106	0.003	0.037	BNC2	TSS1500
cg23856293	chr20	62795341	-0.007	0.037	MYT1	TSS1500
cg04493488	chr16	52576521	-0.007	0.037	TOX3;TOX3	5'UTR;Body
cg12820122	chr11	76156044	0.012	0.037	C11orf30	TSS200
cg17942096	chr19	19301711	-0.011	0.037	LOC729991;Rf	Body;TSS1500;Body;5'UTR;Body;Body;TSS1500
cg08813099	chr3	138067623	0.007	0.037	MRAS;MRAS	5'UTR;5'UTR
cg22066877	chr1	160175701	0.012	0.037	PEA15	5'UTR
cg06230736	chr10	8096650	0.003	0.037	FLJ45983;GAT	TSS1500;TSS200;TSS200;TSS1500
cg17047882	chr6	24403115	0.005	0.037	MRS2	TSS200
cg22492943	chr13	108868076	0.013	0.037	LIG4;LIG4;LIG4	TSS1500;TSS200;5'UTR
cg02270541	chr5	68530766	0.005	0.037	CDK7;CDK7	1stExon;5'UTR
cg03350814	chr8	104512423	0.014	0.037	RIMS2	TSS1500
cg19594691	chr2	20646743	0.008	0.037	RHOB	TSS200
cg07991479	chr17	40265765	-0.008	0.037	KAT2A;DHX58	Body;TSS1500
cg23851515	chr2	51057218	-0.012	0.037	NRXN1;NRXN	Body;Body
cg21397588	chr1	203598954	0.025	0.037	ATP2B4;ATP2	5'UTR;5'UTR
cg27039467	chr16	1730561	-0.006	0.037	HN1L	Body
cg14744898	chr5	72415900	0.012	0.037	TMEM171;TM	TSS1500;TSS1500
cg26704579	chr15	75018690	0.01	0.037	CYP1A1	TSS1500
cg03612722	chr22	27053402	0.007	0.037	MIAT	TSS200
cg04368058	chr17	45772629	0.098	0.037	TBKBP1;TBKB	1stExon;5'UTR
cg09942248	chr2	182545625	0.005	0.037	NEUROD1	TSS1500
cg03699778	chr7	65670130	0.004	0.037	TPST1	TSS200
cg04134803	chr5	150080579	0.017	0.037	RBM22;RBM2	1stExon;5'UTR
cg17417787	chr12	112123558	0.005	0.037	ACAD10;BRAP	TSS1500;1stExon;TSS1500
cg03963554	chr19	46519603	0.01	0.037	CCDC61	Body
cg01493758	chr12	122241402	0.014	0.037	LOC338799;S	TSS200;TSS1500
cg18644191	chr1	99730224	0.015	0.037	LPPR4;LPPR4	1stExon;1stExon
cg03647327	chr6	28891109	0.006	0.037	TRIM27	1stExon
cg26411747	chr12	130262964	-0.004	0.037	TMEM132D	Body
cg00349607	chr1	39546688	0.024	0.037	MACF1	TSS1500
cg02656525	chr5	110427854	0.012	0.037	WDR36	TSS200
cg07119260	chr2	43454536	0.011	0.037	ZFP36L2;LOC	1
cg03603977	chr1	35332137	0.008	0.037	DLGAP3	Body
cg03327347	chr12	93963553	0.004	0.037	SQCS2	TSS200
cg02452585	chr1	43424823	0.006	0.037	SLC2A1;SLC2	A1stExon;5'UTR
cg06074582	chr11	65657849	0.005	0.037	CCDC85B	TSS200
cg00397740	chr1	161136321	0.006	0.037	PPOX;PPOX;P	I1stExon;1stExon;5'UTR;5'UTR
cg24420205	chr19	9546157	0.01	0.037	ZNF266;ZNF2	1stExon;5'UTR;5'UTR;1stExon
cg09336017	chr6	90275361	-0.004	0.037	ANKRD6	5'UTR
cg24272216	chr4	2965191	0.009	0.037	GRK4;GRK4;G	I1stExon;TSS200;TSS200;TSS200
cg01370181	chr15	96874052	0.004	0.037	NR2F2;NR2F2	TSS200;Body
cg00041467	chr2	122494276	0.054	0.037	MKI67IP	Body
cg03040282	chr13	33002269	0.009	0.037	N4BP2L1;N4B	1stExon;5'UTR;1stExon;5'UTR
cg24073340	chr11	208514	0.006	0.037	RIC8A;BET1;L	TSS200;TSS1500;TSS1500
ch.5.2564734R	chr5	138313101	0.012	0.037	SIL1;SIL1	Body;Body
cg16143763	chr17	41116517	0.02	0.037	AARS1;AARS	Body;Body
cg15340124	chr12	102091314	0.005	0.037	CHPT1	TSS200
cg04526987	chr8	131370329	0.002	0.037	ASAP1	Body
cg25581227	chr3	128274467	0.005	0.037	-	-
cg08035567	chr12	94853589	0.008	0.037	CCDC41;CCDC	1stExon;5'UTR;5'UTR;1stExon;TSS200
cg18417201	chr3	4403007	-0.004	0.037	SUMF1;SUMF	3'UTR;3'UTR;3'UTR
cg24610236	chr7	30722114	0.007	0.037	CRHR2;CRHR	21stExon;5'UTR
cg11788450	chr12	56521719	0.009	0.037	ESYT1	TSS1500
cg01296875	chr3	183966773	0.01	0.038	ALG3;ALG3;A	Body;TSS200;TSS200;TSS200;TSS1500;TSS1500
cg09419486	chr15	60690242	0.009	0.038	ANXA2;ANXA	2TSS200;TSS200;TSS200;TSS200
cg24367016	chr1	168195398	0.01	0.038	SFT2D2	Body
cg13932375	chr9	138798603	0.005	0.038	CAMSAP1	Body
cg22840018	chr8	103818919	0.007	0.038	-	-
ch.8.103893680f	chr8	103824504	0.021	0.038	-	-
cg24718991	chr2	234262784	0.008	0.038	DGKD	TSS1500
cg10070788	chr17	76220955	-0.009	0.038	BIRC5;EPR1;B	I3'UTR;TSS200;3'UTR;3'UTR
cg17486213	chr7	128784649	0.016	0.038	TSPAN33	TSS200
cg04928761	chr17	55334402	0.007	0.038	MSI2;MSI2;M	5'UTR;1stExon;Body
cg16023885	chr12	109531339	0.013	0.038	ALKBH2;ALKB	H1stExon;TSS200;TSS200;TSS200;TSS200
cg23570958	chr18	59853916	0.012	0.038	PIGN;PIGN;K	I5'UTR;5'UTR;TSS1500
cg01333350	chr4	5712884	0.003	0.038	EVC	TSS200
cg07337290	chr16	28505320	0.005	0.038	AP0B48R	TSS1500
cg05020252	chr2	233499283	0.01	0.038	EFHD1;EFHD	1Body;Body
cg03877364	chr4	78979746	0.01	0.038	FRAS1;FRAS	1Body;Body
cg01052291	chr6	133036573	-0.004	0.038	VNN1	TSS1500
cg23346462	chr3	179754533	0.009	0.038	PEX5L	TSS200
cg00930890	chr17	34948097	0.002	0.038	DHRS11	TSS200
cg15113090	chr2	26696104	-0.005	0.038	OTOF;OTOF;O	Body;Body;Body
cg13389213	chr19	58838502	0.007	0.038	ZSCAN22	5'UTR
cg16397794	chr10	28032282	0.007	0.038	MKK	Body
cg03365985	chr4	42399484	0.003	0.038	SHISA3	TSS1500
cg18995023	chr17	40811298	0.007	0.038	TUBG2;TUBG	25'UTR;1stExon
cg06178308	chr1	2333551	-0.007	0.038	RER1	Body
cg00099023	chr3	52189007	0.027	0.038	WDR51A;WDF	TSS1500;TSS1500;TSS1500
cg03994908	chr2	3605817	0.016	0.038	RNASEH1	1stExon
cg19559213	chr17	18162372	0.02	0.038	FLJ;SMCR7;S	A1stExon;TSS1500;TSS1500;TSS1500
cg02546521	chr12	132379326	0.011	0.038	ULK1;ULK1	5'UTR;1stExon
cg13815930	chr8	27168880	0.013	0.038	TRIM35;PTK	21stExon;TSS200;TSS200;TSS200
cg06636354	chr11	67121123	0.004	0.038	POLD4;LOC	10TSS200;Body
cg02759193	chr5	1194595	-0.008	0.038	-	-
cg19927780	chr1	90286561	0.006	0.038	LRR8D;LRR	8TSS1500;TSS200
cg19418190	chr7	158221076	-0.006	0.038	PTPRN2;PTPR	I1Body;Body;Body
cg25262044	chr4	107958491	0.006	0.038	DKK2	TSS1500
cg17569486	chr2	224702267	0.004	0.038	AP153;AP15	31stExon;5'UTR
cg15460560	chr20	30795585	0.005	0.038	POFUT1;PLAG	TSS200;TSS200;TSS200
cg01870665	chr14	24475053	-0.016	0.038	DHRS4L2	3'UTR
cg17477795	chr8	52321163	-0.007	0.038	PXDNL	Body

cg20494444	chr14	70013519 -0.005	0.038	-	-
cg00727112	chr4	159690372 0.006	0.038	FNIP2	1stExon
cg22476295	chr7	559000 0.005	0.038	PDGFA;PDGFA	5'UTR;1stExon;1stExon;5'UTR
cg16351184	chr9	140473184 0.007	0.038	WDR85	1stExon
cg08363074	chr22	38479288 -0.017	0.038	SLC16A8	TSS200
cg00173435	chr12	106696525 0.007	0.038	TCP11L2	TSS200
cg00031476	chr2	28114244 0.018	0.038	BRE;RBKS;LOC	5'UTR;TSS1500;TSS1500;5'UTR;5'UTR;5'UTR
cg02843503	chr7	6865989 0.069	0.038	C7orf28B	TSS200
cg09396196	chr11	64059054 0.004	0.038	KCNK4	5'UTR
cg03790250	chr4	20256326 0.009	0.038	SLIT2	Body
cg00971891	chr3	88199395 0.007	0.038	C3orf38	Body
cg12937034	chr11	118662123 0.004	0.038	DDX6	TSS200
cg00027745	chr7	1452678 0.009	0.038	-	-
cg06843631	chr20	18039669 0.01	0.038	OVOL2	TSS1500
cg10467681	chr9	140083784 0.013	0.038	ANAPC2;SSNA	TSS1500;Body
cg25020897	chr12	30907596 0.005	0.038	CAPRIN2;CAPI	TSS200;TSS200;TSS200
cg18063222	chr8	146052715 0.007	0.038	ZNF7	TSS200
cg05348708	chr17	79520615 0.005	0.038	C17orf70;C17	TSS1500;TSS1500
cg09313665	chr17	1132945 0.01	0.038	-	-
cg22201387	chr14	74485554 0.006	0.038	ENTPD5;C14o	5'UTR;TSS1500
cg24087887	chr13	39261432 0.004	0.038	FREM2;FREM1	1stExon;5'UTR
cg22841359	chr3	127842733 0.006	0.038	RUVBL1	TSS200
cg25872752	chr19	920370 0.01	0.038	KISS1R	Body
cg26619317	chr1	95392389 0.006	0.038	CNN3	Body
cg17045009	chr8	67579782 0.009	0.038	VCP1P1	TSS1500
cg11787367	chr19	38865418 0.006	0.038	PSMD8	1stExon
cg08447322	chr19	17581125 0.012	0.038	SLC27A1	TSS200
cg16697493	chr16	476419 0.012	0.038	RAB11FIP3	1stExon
cg10334767	chr4	10459128 0.01	0.038	ZNF518B	TSS200
cg12022294	chr10	52834676 0.007	0.038	PRKG1;PRKG1	Body;Body
cg08404299	chr16	56691551 0.008	0.038	MT1F	TSS1500
cg16453206	chr5	36877216 0.013	0.038	NIPBL;NIPBL	5'UTR;1stExon;5'UTR;1stExon
cg13913247	chr4	141207827 -0.004	0.038	SCOC	5'UTR
cg21999162	chr11	10880150 0.003	0.038	ZBED5;ZBED5	TSS1500;TSS1500
cg19217022	chr17	78977572 0.016	0.038	-	-
cg06873027	chr20	47804961 0.005	0.038	STAU1;STAU1	TSS200;TSS200;TSS200;TSS200;TSS200
cg16000888	chr11	560951 0.006	0.038	RASSF7;C11or	TSS1500;TSS200;TSS1500;TSS200
cg19915185	chr7	130081158 0.009	0.038	TSGA14	TSS1500
cg07991241	chr10	33269695 0.01	0.038	-	-
cg21325232	chr20	25371667 0.012	0.038	ABHD12;ABHI	TSS200;TSS200
cg04213213	chr3	16831943 -0.002	0.038	-	-
cg18768400	chr1	113161597 0.006	0.038	CAPZA1;ST7L	5'UTR;TSS1500;1stExon;1stExon;1stExon;1stExon
cg04251872	chr12	93964403 0.02	0.038	SOC52	5'UTR
cg01567853	chr8	79578627 0.023	0.038	FAM164A	Body
cg27064521	chr19	40953834 -0.007	0.038	BLVRB	Body
cg19744039	chr12	6862701 0.011	0.038	MLF2;MLF2	TSS200;TSS1500
cg00038342	chr2	1651130 -0.002	0.038	PXDN	Body
cg10944783	chr17	40730097 0.003	0.038	PSMC3IP;PSM	TSS1500;TSS1500
cg15602241	chr14	27066771 0.005	0.038	NOVA1;NOVA	5'UTR;5'UTR;5'UTR;1stExon;1stExon;1stExon
cg13596497	chr13	110959104 0.009	0.038	COL4A1;COL4	Body;TSS1500
cg00334257	chr16	69419950 0.006	0.038	TERF2	TSS200
cg27009828	chr19	3985445 0.004	0.038	EEF2;EEF2	1stExon;5'UTR
cg14195915	chr1	29507864 0.013	0.038	SFRS4	Body
cg25440035	chr19	23653837 0.015	0.038	-	-
cg11855769	chr2	3383351 0.009	0.038	TTC15	TSS200
cg18522102	chr13	60970987 0.006	0.038	TDRD3;TDRD3	5'UTR;1stExon;5'UTR;1stExon;TSS1500
cg07263984	chr5	115177777 0.004	0.038	ATG12;AP3S1	TSS1500;1stExon
cg10418263	chr6	35265544 0.009	0.038	DEF6	TSS200
cg12598575	chr5	173043653 0.007	0.038	BOD1;BOD1;B	5'UTR;1stExon;5'UTR;1stExon
cg15590989	chr4	183062460 0.007	0.038	MGC45800	Body
cg08372297	chr16	22012456 0.008	0.038	C16orf65	TSS200
cg26908950	chr7	83824296 0.02	0.038	SEMA3A	TSS200
cg22818036	chr5	137514298 0.008	0.038	BRD8;KIF20A	1stExon;TSS200;1stExon;1stExon
cg16514724	chr10	97453245 0.006	0.038	TCTN3;TCTN3	Body;Body
cg08747777	chr16	65156158 0.008	0.038	CDH11	TSS1500
cg11243656	chr13	50510650 0.009	0.038	C13orf1;C13o	TSS200;TSS200;TSS200
cg02394989	chr13	31736167 0.017	0.038	HSPH1	TSS200
cg13825058	chr4	154266213 0.006	0.038	MND1	Body
cg01408194	chr3	93692764 0.009	0.038	PROS1;PROS1	1stExon;5'UTR
cg14181982	chr2	48668251 0.01	0.038	KLRAQ1;KLRA	Body;Body;5'UTR;Body
cg19930057	chr18	19180767 0.005	0.038	ESCO1	TSS200
cg25912016	chr17	8093767 0.005	0.038	C17orf59	TSS1500
cg02063827	chr6	33878127 -0.02	0.038	-	-
cg00658427	chr14	102431823 0.01	0.038	DYNC1H1	Body
cg08547691	chr17	9143754 0.007	0.038	NTN1	3'UTR
cg01289965	chr21	43639928 0.005	0.038	ABCG1;ABCG1	Body;5'UTR;Body;Body;TSS200;Body
cg18138172	chr1	31191959 0.008	0.038	MATN1	Body
cg09266468	chr1	45241580 0.004	0.038	SNORD46;SNC	TSS1500;Body;Body
cg02926368	chr1	202310824 0.007	0.038	UBE2T	5'UTR
cg07499032	chr7	102066852 0.014	0.038	PRKRIP1	3'UTR
cg09524078	chr3	52805336 0.025	0.038	NEK4	TSS1500
cg23423329	chr6	30709428 -0.013	0.038	FLOT1	Body
cg04413085	chr1	43283119 0.008	0.038	CCDC23;ERM	4'TSS200;5'UTR
cg11239316	chr20	33104198 0.009	0.038	DYNLRB1	TSS200
cg09128050	chr20	35580168 0.009	0.038	SAMHD1;SAM	1stExon;5'UTR
cg03475660	chr16	75590309 0.005	0.038	TMEM231;TM	TSS200;TSS200;TSS200
cg01419567	chr8	77594595 0.004	0.038	ZFHX4;LOC10	5'UTR;Body
cg03140418	chr2	198570038 0.004	0.038	mar-02	TSS200
cg21200408	chr20	21378211 0.014	0.038	NKX2-4	TSS200
cg10567273	chr12	12939714 0.008	0.038	APOLD1;APOL	Body;Body
cg09177131	chr1	114696462 0.005	0.038	SYT6;SYT6	5'UTR;1stExon
cg08893449	chr6	35310274 0.01	0.038	PPARD;PPARD	TSS200;TSS200
cg14220277	chr21	38338958 0.021	0.038	HLCS	5'UTR
cg14304186	chr18	43652437 0.006	0.038	PSTPIP2	TSS200
cg09911554	chr10	3186133 -0.002	0.038	PITRM1	Body
cg12183993	chr19	36352005 0.004	0.038	KIRREL2;KIRRE	Body;Body;Body
cg18249244	chr8	27950725 0.011	0.038	ELP3;ELP3	1stExon;5'UTR
cg07947549	chr10	53459378 0.022	0.038	PRKG1;PRKG1	Body;Body;TSS200
cg07081267	chr7	131012545 0.004	0.038	MKLN1;MKLN	Body;TSS200
cg11904887	chr1	20834802 0.008	0.038	MUL1	TSS200
cg10541930	chr10	131909085 0.01	0.038	-	-
cg13967646	chr2	219263467 0.011	0.039	CTDSP1;CTDS	TSS1500;TSS1500
cg10803309	chr11	33317039 -0.005	0.039	HIPK3;HIPK3	Body;Body
cg03214308	chr16	50581404 0.007	0.039	NKD1	TSS1500
cg25758217	chr2	105478656 0.009	0.039	-	-

cg21347053	chr6	1624978	0.005	0.039	GMDS	Body
cg06231882	chr16	81040594	0.009	0.039	CENPN;CENP	5'UTR;5'UTR;1stExon;5'UTR;1stExon;1stExon;TSS200
cg10694781	chr7	132260289	0.002	0.039	PLXNA4;PLXN	5'UTR;5'UTR;5'UTR
cg00857557	chr6	42982050	0.005	0.039	MEA1;KLHDC	TSS1500;5'UTR;1stExon
cg01695892	chr1	17765394	0.004	0.039	RCC2;RCC2	5'UTR;TSS1500
cg11942956	chr6	133562470	0.024	0.039	EYAA4;EYAA4;EY	TSS200;TSS200;TSS200
cg04920227	chr20	13202476	0.006	0.039	ISM1	1stExon
cg17445618	chr1	19577962	0.005	0.039	KIAA0090;MR	1stExon;TSS200
cg13049051	chr7	44084038	0.009	0.039	DBNL;DBNL;D	TSS200;TSS200;TSS200
cg01496600	chr6	2246553	0.01	0.039	GMDS	TSS1500
cg02343503	chr5	140012023	0.008	0.039	CD14;CD14	Body;Body
cg26454316	chr5	176981656	0.003	0.039	FAM193B;FAM	TSS200;TSS200
cg09464206	chr2	202122309	0.007	0.039	CASP8;CASP8	5'UTR;5'UTR;5'UTR;TSS1500;5'UTR
cg27517702	chr4	175750280	0.002	0.039	GLRA3;GLRA3	1stExon;5'UTR;1stExon;5'UTR
cg04894642	chr1	178062853	0.006	0.039	LOC10030240	Body;TSS200
cg03639897	chr20	897545	-0.019	0.039	ANGPT4	TSS1500
cg03263117	chr17	45798767	0.036	0.039	-	-
cg18818267	chr8	142311072	-0.015	0.039	-	-
cg01892346	chr16	25026828	0.006	0.039	ARHGAP17;AR	TSS200;TSS200
cg19050851	chr5	78280649	0.006	0.039	ARSB;ARSB	Body;Body
cg20390237	chr1	48965049	-0.003	0.039	-	-
cg02358172	chr15	81616486	0.004	0.039	STAR5;STAR1	5'UTR;1stExon
cg09670530	chr3	179322238	0.007	0.039	MRPL47;NDUI	5'UTR;TSS1500;Body
cg11223184	chr2	198033295	-0.019	0.039	ANKRD44	Body
cg14266251	chr9	135462291	0.011	0.039	BARHL1	Body
cg24438655	chr17	45727598	0.006	0.039	KPNB1;KPNB1	1stExon;5'UTR
cg04232649	chr5	162864489	0.008	0.039	CCNG1;CCNG	TSS200;TSS200
cg24966682	chr6	24666810	0.012	0.039	ACOT13;TTRA	TSS1500;Body;TSS1500
cg18746364	chr3	196669422	0.008	0.039	NCBP2;LOC1	5'UTR;5'UTR;5'UTR;1stExon
cg23844497	chr19	56135921	0.006	0.039	ZNF784	1stExon
cg15298594	chr2	15701366	0.007	0.039	NBAS	1stExon
cg08575875	chr8	1991820	-0.009	0.039	MYOM2	TSS1500
cg02001571	chr14	50319805	0.009	0.039	SDCCAG1	TSS1500
cg02152108	chr22	37641506	0.011	0.039	RAC2	TSS1500
cg26088994	chr6	30585636	0.006	0.039	MRPS18B;MRI	5'UTR;1stExon;TSS1500
cg23413193	chr5	127420015	0.011	0.039	SLC12A2;FLJ	3:1stExon;TSS1500
cg04224864	chr1	179851825	0.026	0.039	TOR1AIP1	1stExon
cg16884822	chr10	1068703	-0.017	0.039	C10orf110;C1	0;Body;Body;Body;Body;Body
cg20809693	chr1	25574374	0.006	0.039	C1orf63	TSS1500
cg02367949	chr11	94964516	0.007	0.039	SES3	TSS1500
cg02994216	chr2	121010979	0.023	0.039	RALB	5'UTR
cg00124695	chr16	51185039	0.006	0.039	SALL1;SALL	1:1stExon;Body
cg23959119	chr19	42806179	0.017	0.039	PRR19;PAFAH	TSS200;Body;Body;Body
cg11199399	chr2	33172442	0.011	0.039	LTBP1	1stExon
cg08880486	chr17	66287505	0.005	0.039	ARSG;SLC1	6A1:5'UTR;TSS200
cg09415957	chr11	62609886	0.008	0.039	-	-
cg22834126	chr5	107008019	0.009	0.039	EFNA5	TSS1500
cg03213216	chr19	46001735	0.016	0.039	RTN2;FLI4	012:1stExon;TSS1500
cg00079638	chr15	45003652	0.007	0.039	B2M	TSS200
cg05445638	chr17	1958170	0.004	0.039	HIC1;HIC1	TSS1500;TSS1500
cg00917899	chr1	9599401	0.005	0.039	SLC25A33	TSS200
cg00739661	chr19	12721658	0.015	0.039	ZNF490;ZNF	7:1stExon;TSS200
cg06202984	chr9	98079903	0.006	0.039	FANCC;FANCC	1stExon;5'UTR
cg16662989	chr5	172385810	0.023	0.039	LOC10026816	Body;TSS200;TSS1500
cg03065612	chr16	3627730	0.011	0.039	NLR3	TSS1500
cg17383421	chr3	151599085	-0.005	0.039	SUCNR1	Body
cg05190557	chr5	179125342	0.007	0.039	CANX;CANX	TSS1500;TSS1500
cg01856141	chr3	52804944	0.016	0.039	NEK4;NEK4	5'UTR;1stExon
cg15910685	chr13	79980098	0.032	0.039	RBM26	TSS200
cg12935497	chr15	82339233	0.005	0.039	MEX3B	TSS1500
cg15604507	chr11	19263433	0.05	0.039	E2F8	TSS1500
cg03257822	chr12	66216807	0.004	0.039	HMG2A;RPSA	1:1stExon;Body;TSS1500
cg10235961	chr3	48471218	0.011	0.039	PLXNB1;PLXN	1:5'UTR;TSS1500
cg18313702	chr3	183853126	0.011	0.039	E1F2B5;E1F2	B5:1stExon;5'UTR
cg15616946	chr18	11689206	0.006	0.039	GNAL;GNAL	5'UTR;1stExon
cg23534983	chr8	146052614	0.009	0.039	ZNF7	TSS1500
cg26896912	chr5	35229788	0.003	0.039	PRLR	5'UTR
cg15724296	chr8	41908815	0.005	0.039	MYST3;MYST	3:5'UTR;5'UTR;5'UTR
cg07285213	chr5	1292339	-0.035	0.039	TERT;TERT	Body;Body
cg11007542	chr17	8023687	0.02	0.039	ALOXE3	TSS1500
cg18166347	chr12	22777927	0.005	0.039	ETNK1;ETNK	1:TSS200;TSS200
cg24121436	chr14	60337690	0.006	0.039	RTN1	TSS200
cg24981833	chr14	29235894	0.005	0.039	FOXG1	TSS1500
cg26267854	chr10	44880562	0.008	0.039	CXCL12;CXCL	1:TSS200;TSS200;TSS200
cg26998274	chr13	84456258	0.007	0.039	SLITRK1;SLIT	1:1stExon;5'UTR
cg13464717	chr19	2269532	0.007	0.039	OAZ1;OAZ1	5'UTR;1stExon
cg13600480	chr7	102036675	0.004	0.039	PRKRIP1	TSS200
cg03193454	chr11	62420599	0.005	0.039	INTS5	Body
cg04715245	chr1	154377091	0.004	0.039	IL6R;IL6R	TSS1500;TSS1500
cg13598865	chr6	159064992	0.005	0.039	DYNLT1	Body
cg11540838	chr7	44788257	0.006	0.039	ZMIZ2	TSS1500
cg25575883	chr22	18043394	-0.007	0.039	SLC25A18;SLC	1:1stExon;5'UTR
cg02960150	chr16	31191475	0.005	0.039	FUS;FUS;FUS	:1stExon;Body;5'UTR;1stExon;5'UTR;5'UTR;1stExon
cg06754565	chr16	57023317	0.005	0.039	NLR3	TSS200
cg24603235	chr6	33588219	0.009	0.039	ITPR3	TSS1500
cg05399707	chr19	6739813	0.007	0.039	TRIP10	Body
cg15084758	chr18	658390	0.009	0.039	TYMS;C18orf	5:Body;TSS200
cg07818978	chr15	81823340	-0.006	0.039	-	-
cg20441175	chr10	75007251	0.002	0.039	DNAJC9	TSS1500
cg00117172	chr1	25255838	0.002	0.039	RUNX3;RUNX	:Body;Body
cg00644416	chr13	114762257	-0.004	0.039	RASA3	Body
cg00286986	chr8	124085360	0.017	0.039	WDR67;WDR	6:Body;Body
cg00554614	chr7	127225750	0.005	0.039	GCC1	TSS200
cg21218957	chr13	49976473	-0.009	0.039	CAB39L;CAB	3:5'UTR;TSS1500
cg18664336	chr17	57970265	0.006	0.039	TUBD1;TUBD	1:5'UTR;1stExon;TSS200
cg24149898	chr22	40060708	0.005	0.039	CACNA1I;CAC	1:Body;Body
cg14408467	chr9	124361800	0.004	0.039	DAB2IP	Body
cg20554312	chr14	94547496	0.006	0.039	DDX24;DDX	24:5'UTR;1stExon;TSS200;TSS200
cg21187769	chr4	93226495	0.001	0.039	GRID2	Body
cg19372731	chr12	1800405	0.005	0.039	ADIPOR2	5'UTR
cg12787965	chr7	41739742	0.008	0.039	LOC285954;L	C:Body;Body;Body
cg12953257	chr20	18547996	0.016	0.039	LOC388789	TSS200
cg17212153	chr5	88432540	-0.014	0.039	-	-
cg14734630	chr12	29533564	0.003	0.039	ERGIC2	5'UTR
cg02843092	chr3	130612871	0.004	0.039	ATP2C1;ATP	2:TSS1500;TSS1500;TSS1500;TSS1500

cg20679517	chr6	110966949 -0.01	0.039	CDK19	Body
cg16584911	chr7	128864557 0.013	0.039	AHCYL2;AHCY	TSS1500;TSS1500
cg11622324	chr13	100630688 0.002	0.039	-	-
cg18331573	chr19	14530239 0.003	0.039	DDX39	TSS200
cg04059835	chr3	128598095 0.008	0.039	ACAD9	TSS1500
cg25856179	chr2	191878705 0.006	0.039	STAT1;STAT1	5'UTR;5'UTR
cg17713954	chr8	104511281 0.021	0.039	-	-
cg09304724	chr2	180871757 0.006	0.039	CWC22;CWC2	1stExon;5'UTR
cg03734402	chr1	6265417 0.011	0.039	RNF207	TSS1500
cg02794174	chr8	61564980 0.006	0.039	-	-
ch.11.1543446R	chr11	71732620 0.002	0.039	NUMA1	Body
cg18463820	chr14	58619219 0.002	0.039	C14orf37	TSS1500
cg04819538	chr16	89617734 -0.002	0.039	SPG7	Body
cg05705812	chr12	117628187 0.009	0.039	FBXO21;FBXO	1stExon;1stExon
cg20215586	chr19	12476577 0.004	0.039	ZNF442	TSS200
cg11424153	chr6	41286657 0.005	0.039	-	-
cg24589977	chr7	134896435 0.008	0.04	WDR91	TSS200
cg23654133	chr4	152592088 -0.003	0.04	PET112L	3'UTR
cg06560754	chr8	93114748 0.005	0.04	-	-
cg27542277	chr19	48246724 0.005	0.04	-	-
cg06151184	chr7	30518507 0.006	0.04	NOD1	TSS200
cg08707112	chr10	8095764 0.011	0.04	FLJ45983;GAT	TSS1500;TSS1500;TSS1500;TSS1500
cg27108167	chr10	121356679 0.007	0.04	TIAL1;TIAL1	TSS200;TSS200
cg21536992	chr19	49622564 0.01	0.04	C19orf73;PPFI	TSS200;TSS200
cg13563405	chr8	17942526 0.003	0.04	ASAH1;ASAH1	TSS200;TSS200;TSS1500
cg22361291	chr4	6911477 0.006	0.04	TBC1D14;TBC	TSS200;5'UTR
cg15750461	chr4	991553 0.007	0.04	IDUA	Body
cg06547732	chr1	63154287 0.011	0.04	DOCK7	TSS1500
cg13053783	chr1	1334803 0.005	0.04	CCNL2;CCNL2	TSS200;TSS200;TSS200;TSS200;TSS200
cg25144930	chr11	2398505 0.006	0.04	CD81	TSS200
cg25181631	chr11	18417757 0.005	0.04	LDHA;LDHA;LI	5'UTR;5'UTR;TSS200;Body;5'UTR;5'UTR
cg05509352	chr5	142092851 0.011	0.04	-	-
cg19155007	chr3	183543564 0.008	0.04	MAP6D1	TSS200
cg06285648	chr15	57668812 0.004	0.04	CGNL1	5'UTR
cg15920867	chr3	56501580 0.009	0.04	ERC2	5'UTR
cg23554129	chr6	53413076 0.019	0.04	-	-
cg12732449	chr3	156392412 0.01	0.04	TIPARP;TIPARI	1stExon;5'UTR;Body
cg04081324	chr5	149829376 0.003	0.04	RPS14;RPS14	TSS200;TSS200;TSS200
cg02184246	chr11	18656167 0.006	0.04	SPTY2D1	TSS200
cg17159483	chr6	17600760 0.005	0.04	FAM8A1	1stExon
cg05269017	chr3	49894115 0.005	0.04	TRAIIP	TSS200
cg05075118	chr3	132756991 0.008	0.04	TMEM108;TM	TSS200;TSS200
cg23938731	chr8	144923081 0.006	0.04	NRBP2	5'UTR
cg06378107	chr11	100863057 -0.004	0.04	TMEM133	1stExon
cg09145139	chr10	95256412 0.017	0.04	CEP55;CEP55	1stExon;1stExon;5'UTR;5'UTR
cg02059996	chr3	43732325 0.013	0.04	ABHD5	TSS200
cg19158325	chr17	8339163 0.006	0.04	NDEL1;NDEL1	TSS200;TSS200
cg01610488	chr8	72987870 0.002	0.04	TRPA1	TSS200
cg11264102	chr12	77157695 0.007	0.04	ZDHHC17	TSS200
cg09273772	chr17	38574566 0.007	0.04	TOP2A	TSS1500
cg22482014	chr5	1087095 -0.006	0.04	SLC12A7	Body
cg12718193	chr4	142557658 0.008	0.04	IL15;IL15	TSS200;TSS200
cg17623341	chr20	32273902 0.009	0.04	E2F1	1stExon
cg09745087	chr2	112656917 0.007	0.04	MERTK	Body
cg10143108	chr16	75656847 0.009	0.04	ADAT1	5'UTR
cg06198351	chr7	150756408 0.02	0.04	CDK5;CDK5;SL	TSS1500;TSS1500;TSS1500
cg03320492	chr1	45187810 0.057	0.04	C1orf228	Body
cg20894110	chr13	23949701 0.013	0.04	SACS	Body
cg00977978	chr7	139409421 -0.005	0.04	HIPK2;HIPK2	Body;Body
cg00284328	chr22	17639992 0.009	0.04	CECR4;CECR5	TSS1500;Body;Body;TSS1500
cg00238353	chr10	129785537 -0.017	0.04	PTPRE	5'UTR
cg19286500	chr7	29652942 -0.003	0.04	-	-
cg26665246	chr5	179105570 0.006	0.04	CBY3	3'UTR
cg00001594	chr2	11484705 0.007	0.04	ROCK2;ROCK2	5'UTR;1stExon
cg11321090	chr4	2415121 0.008	0.04	ZFYVE28	Body
cg17251433	chr3	185216870 0.008	0.04	TMEM41A	TSS200
cg07206725	chr5	133702808 0.011	0.04	CDKL3;CDKL3	TSS200;TSS200
cg12143125	chr20	44044875 0.004	0.04	PIGT	1stExon
cg22957352	chr12	122242756 0.009	0.04	SETD1B;LOC3	1stExon;TSS1500
cg08136893	chr7	40173882 0.014	0.04	C7orf10;C7orf	TSS1500;1stExon
cg08541521	chr1	111506029 0.005	0.04	C1orf103;C1orf	Body;5'UTR
cg22109331	chr1	212003961 0.026	0.04	LPGAT1;LPGA	5'UTR;1stExon
cg14006309	chr6	33281552 0.013	0.04	TAPBP;TAPBP	Body;Body;Body
cg02756676	chr17	1958206 0.005	0.04	HIC1;HIC1	TSS1500;TSS200
cg27106233	chr10	74033853 0.003	0.04	DDIT4	5'UTR
cg15071611	chr11	101918152 0.015	0.04	C11orf70	TSS200
cg09642857	chr12	133026813 -0.007	0.04	-	-
cg03409937	chr12	110236627 -0.008	0.04	TRPV4;TRPV4	Body;Body
cg02255184	chr3	51422832 0.007	0.04	MANF	1stExon
cg10078645	chr12	124903668 -0.009	0.04	NCOR2;NCOR	Body;Body
cg15941948	chr5	2751552 0.007	0.04	IRX2;IRX2;C5o	1stExon;1stExon;TSS1500;5'UTR;5'UTR
cg15248132	chr19	33182730 0.006	0.04	NUDT19	TSS200
cg16552822	chr1	19278734 0.005	0.04	IFFO2	Body
cg09913782	chr10	98803730 -0.007	0.04	SLIT1	Body
cg00549910	chr2	80531597 0.004	0.04	CTNNA2;LRR1	Body;TSS200;Body
cg15833209	chr5	176778672 0.01	0.04	LMAN2;LMAN	5'UTR;1stExon
cg10769251	chr19	10679905 0.003	0.04	CDKN2D;CDKN	TSS1500;TSS1500
cg18441102	chr10	128975183 -0.005	0.04	FAM196A;DOI	5'UTR;Body
cg00575529	chr6	30685080 0.014	0.04	MDC1;MDC1	1stExon;5'UTR
cg11248296	chr1	156163755 0.01	0.04	SLC25A44;SLC	5'UTR;1stExon
cg16413619	chr14	31677219 0.005	0.04	HECTD1	TSS1500
cg05163177	chr16	1783521 -0.004	0.04	MAPK8IP3;M/	Body;Body
cg24498031	chr15	40545050 0.007	0.04	PAK6;C15orf5	5'UTR;1stExon;5'UTR;5'UTR
cg22617550	chr15	89974231 0.013	0.04	-	-
cg00026030	chr21	34100439 0.011	0.04	SYNJ1;SYNJ1	s TSS200;TSS200;TSS200;TSS200
cg09472139	chr2	55646992 0.006	0.04	CCDC88A;CCD	5'UTR;1stExon;1stExon;5'UTR
cg02693857	chr5	176738937 0.005	0.04	MXD3;MXD3	1stExon;1stExon;5'UTR;5'UTR
cg27382599	chr21	38445384 0.004	0.04	PIGP;PIGP;TT	C 1stExon;5'UTR;TSS200;TSS1500;Body
cg18116373	chr15	43029202 0.007	0.04	CDAN1	Body
cg18222526	chr2	60983289 0.012	0.04	PAPOLG	TSS200
cg13837097	chr14	55034666 0.005	0.04	SAMD4A;SAM	1stExon;1stExon
cg06900938	chr5	180671419 0.011	0.04	GNB2L1;SNOR	TSS1500;TSS1500
cg14998917	chr12	22777902 0.013	0.04	ETNK1;ETNK1	TSS200;TSS200
cg06138683	chr10	38265481 0.01	0.04	ZNF25	TSS200
cg08326109	chr19	49559792 0.003	0.04	CGB7	TSS1500

cg23128146	chr5	150138761	0.006	0.04	DCTN4;DCTN4 TSS200;TSS1500;TSS200
cg21203420	chr21	40684731	0.006	0.04	BRWD1;BRWI Body;Body;Body
cg20490031	chr18	61143926	-0.004	0.04	SERPIN5 TSS1500
cg09475932	chr22	32870517	0.004	0.04	FBXO7;FBXO7 TSS200;TSS1500
cg07679695	chr9	74384615	0.004	0.04	TMEM2;TMEA TSS1500;TSS1500
cg10540759	chr22	19159404	0.006	0.04	-
cg21295295	chr1	156256448	-0.003	0.04	TMEM79;TME Body;Body
cg08934830	chr3	107521535	-0.004	0.04	BBX;BBX Body;Body
cg00756852	chr1	155197384	0.007	0.04	GBAP1 TSS200
cg12046414	chr2	220379199	0.003	0.04	ACCN4;ACCN4 1stExon;1stExon
cg04297163	chr19	10444165	0.009	0.04	RAVER1 1stExon
cg22053452	chr2	33701120	0.003	0.04	RASGRP3;RAS 5'UTR;TSS200
cg04128145	chr16	69373507	0.014	0.04	COG8;NIP7;CC 1stExon;TSS200;5'UTR
cg00690392	chr1	225697019	-0.008	0.04	ENAH;ENAH Body;Body
cg03981793	chr15	49716270	-0.016	0.04	C15orf33;FGF Body;5'UTR
cg15284327	chr20	49411594	0.004	0.04	BCAS4;BCAS4; 1stExon;1stExon;1stExon
cg05807672	chr1	110881050	0.007	0.04	RBM15 TSS1500
cg15858897	chr11	67889051	0.007	0.04	CHKA;CHKA TSS200;TSS200
cg01029867	chr8	145981147	0.003	0.04	ZNF251 TSS200
cg05201956	chr13	53024733	0.004	0.04	VPS36;VPS36 5'UTR;1stExon
cg23885932	chr19	1132294	0.008	0.04	SBN02;SBN0;Body;TSS200
cg20340141	chr7	75677497	0.023	0.04	STYX11;MDH2 TSS200;1stExon
cg18206040	chr16	47006731	0.007	0.04	DNAJA2 Body
cg12763402	chr9	35732288	0.011	0.04	TLN1;CREB3;T 1stExon;TSS200;5'UTR
cg16778289	chr16	4526868	0.005	0.04	HMOX2;HMO;5'UTR;5'UTR;5'UTR
cg09519462	chr10	75007181	0.01	0.04	DNAJC9 TSS200
cg26971411	chr19	41016501	-0.007	0.04	SPTBN4 Body
cg23372537	chr19	10138480	0.006	0.04	-
cg20447568	chr6	131384652	0.004	0.04	EPB41L2;EPB4 TSS200;TSS1500;TSS200
cg01394540	chr10	62537996	0.015	0.04	CDC2;CDK1;CI TSS1500;TSS1500;TSS1500;TSS200;TSS1500
cg01288674	chr18	45936515	0.007	0.04	-
cg14817370	chr6	160390042	0.005	0.04	IGF2R TSS200
cg12832498	chr13	111358527	0.006	0.04	CARS2 TSS200
cg05689121	chr16	24740934	0.006	0.04	TNRC6A TSS200
cg26084484	chr5	139927167	0.005	0.04	E1F4EBP3;ANK TSS200;Body
cg13628146	chr18	19284948	0.006	0.04	ABHD3 TSS200
cg23413007	chr8	145734497	0.012	0.04	MFSD3 TSS200
cg09901735	chr16	19729769	0.016	0.04	C16orf88;IQCH TSS1500;Body
cg04443039	chr17	62971865	0.005	0.04	FLJ32065 TSS200
cg02252918	chr12	124458442	0.01	0.04	ZNF664;ZNF61 1stExon;5'UTR;TSS1500
cg10472263	chr14	101452368	-0.003	0.04	SNORD114-25 TSS200;TSS1500
cg08270031	chr1	180472207	0.006	0.04	ACBD6 TSS200
cg27621129	chr7	19152121	0.007	0.04	-
cg08754456	chr14	70346059	0.009	0.04	SMOC1;SMOC TSS200;TSS200
cg08004976	chr1	160370427	0.006	0.04	VANGL2;VAN;5'UTR;1stExon
cg23439621	chr14	102228216	0.009	0.04	PPP2R5C;PPP;1stExon;1stExon;5'UTR;5'UTR
cg00103984	chr5	54603719	0.004	0.04	DHX29;SKIVL2 TSS200;1stExon;5'UTR
cg15772797	chr12	123868662	0.005	0.04	SETD8 TSS200
cg05222840	chr12	15942164	0.005	0.04	EPS8;EPS8 5'UTR;1stExon
cg06970510	chr12	52401448	0.023	0.04	GRASP Body
cg01537928	chr3	101280610	0.005	0.04	RG9MTD1 TSS200
cg13849548	chr4	140225223	0.006	0.04	NAA15 TSS200
cg07721822	chr1	228074887	0.011	0.04	-
cg02981663	chr13	28232083	-0.003	0.04	POLR1D Body
cg13916967	chr11	16635104	0.009	0.04	-
cg17123135	chr8	91657290	0.006	0.04	TMEM64;TME Body;Body
cg21049015	chr15	38746528	0.008	0.04	FAM98B;FAM Body;Body
cg23473285	chr6	72596698	0.014	0.04	RIMS1;RIMS1 5'UTR;1stExon
cg27341926	chr10	118032905	0.003	0.04	GFR1A1;GFR1A 1stExon;5'UTR;TSS1500;TSS200
cg19617599	chr17	30677002	0.005	0.04	ZNF207;ZNF2;TSS200;TSS200;TSS200;TSS200
cg00166706	chr1	32479264	0.005	0.04	KHDRBS1 TSS1500
cg06946452	chr2	119606631	0.028	0.04	EN1 TSS1500
cg15087347	chr12	41086227	0.011	0.04	CNTN1;CNTN1 TSS200;TSS200
cg01003382	chr2	60777624	0.043	0.04	BCL11A;BCL11 Body;Body;Body
cg12184541	chr11	3012310	0.007	0.04	NAP1L4 5'UTR
cg11444704	chr5	159738916	0.009	0.04	CCNJL Body
cg07152091	chr7	127807283	0.014	0.04	-
cg19840387	chr2	159314016	0.004	0.04	CCDC148;CCD TSS1500;TSS1500;5'UTR;5'UTR
cg04499325	chr7	37960317	0.006	0.04	EPDR1 1stExon
cg26752263	chr6	53409853	0.01	0.041	GCLC TSS200
cg01163790	chr16	50582193	0.005	0.041	NKD1 TSS200
cg21067709	chr13	21714627	0.005	0.041	SAP18 TSS200
cg01323634	chr5	114631921	0.006	0.041	CCDC112;CCD 5'UTR;1stExon;Body
cg07105696	chr16	81039962	0.012	0.041	CENPN;CENPN TSS200;TSS200;TSS200;5'UTR
cg04216289	chr17	8027897	0.016	0.041	HES7;HES7 TSS1500;TSS1500
cg23096553	chr12	70759870	0.003	0.041	KCNMB4 TSS200
cg26558992	chr1	147231862	-0.003	0.041	GJA5;GJA5 5'UTR;5'UTR
cg23068913	chr10	23463377	0.017	0.041	-
cg05020685	chr4	40858965	0.007	0.041	APBB2;APBB2 Body;5'UTR;5'UTR;5'UTR;Body;5'UTR;Body
cg23600533	chr11	64885249	0.005	0.041	ZNHIT2 TSS200
cg01293379	chr18	8610135	0.005	0.041	RAB12 Body
cg18967278	chr6	33291019	0.041	0.041	DAXX;DAXX;D TSS1500;TSS1500;TSS1500
cg25603409	chr19	50532834	-0.002	0.041	ZNF473;ZNF4;5'UTR;5'UTR
cg27548631	chr3	58291896	0.004	0.041	RPP14;RPP14 TSS200;TSS200
cg11585955	chr11	18127525	0.015	0.041	SAAL1 1stExon
cg08813925	chr10	31996740	0.009	0.041	-
cg08355583	chr7	139875917	0.022	0.041	LOC10013422 TSS1500;Body
cg07621075	chr15	92937285	0.004	0.041	ST8SIA2;ST8S1 5'UTR;1stExon
cg05712725	chr2	159944539	-0.005	0.041	TANC1;TANC1 Body;Body
cg08680048	chr15	41793881	0.008	0.041	ITPKA Body
cg10449839	chr11	64794983	0.009	0.041	SNX15;SNX15;5'UTR;1stExon;1stExon;5'UTR
cg19564264	chr4	108611005	-0.004	0.041	PAPS1 Body
cg13314310	chr2	20190065	0.011	0.041	WDR35;WDR;TSS200;TSS200
cg00836119	chr10	75634696	0.014	0.041	CAMK2G;CAM TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg15608357	chr17	73201445	0.005	0.041	NUP85 TSS200
cg24375476	chr8	64081712	0.013	0.041	YTHDF3 Body
cg24722055	chr15	40093305	-0.009	0.041	GPR176 3'UTR
cg11117099	chr17	43325657	0.009	0.041	LOC10013399 Body
cg23901857	chr2	176993221	0.026	0.041	HOXD8 TSS1500
cg00695943	chr16	3772856	-0.003	0.041	-
cg21022949	chr2	231809697	-0.007	0.041	-
cg08914623	chr11	44327572	0.005	0.041	ALX4 Body
cg00502442	chr6	157801893	0.005	0.041	ZDHHHC14;ZDH TSS1500;TSS1500
cg19859290	chr11	20618399	0.008	0.041	-
cg27428660	chr1	54519174	0.004	0.041	C1orf83;TMEN TSS200;TSS200

cg21750107	chr7	148763091	0.012	0.041	-	-
cg12547063	chr19	3879687	-0.008	0.041	ATCAY	TSS1500
cg11207534	chr8	41686438	0.011	0.041	ANK1	Body
cg11078358	chr6	71377548	0.004	0.041	SMAP1;SMAP	5'UTR;1stExon;1stExon;5'UTR
cg19483861	chr19	7504512	-0.018	0.041	ARHGFB18;AR	5'UTR;TSS200
cg22557641	chr10	22292012	0.029	0.041	DNAJC1	Body
cg10661376	chr10	134351180	0.007	0.041	INPP5A	TSS200
cg18207950	chr14	45722438	0.009	0.041	C14orf106;C1	5'UTR;1stExon
cg01638592	chr12	111472183	0.004	0.041	CUX2	Body
cg00389420	chr1	32254320	0.006	0.041	-	-
cg06034874	chr16	75285194	0.012	0.041	BCAR1;BCAR1	Body;Body;Body;Body;Body;Body;Body
cg07016325	chr14	96968745	0.01	0.041	PAPOLA;PAPO	5'UTR;1stExon
cg08704172	chr15	59279786	0.007	0.041	RNF111	TSS200
cg2180247	chr6	10884140	0.005	0.041	-	-
cg01721204	chr1	45672405	0.004	0.041	ZSWIM5	TSS200
cg21934910	chr1	40506769	0.009	0.041	CAP1;CAP1	5'UTR;5'UTR
cg08750501	chr16	31519317	0.007	0.041	C16orf58	Body
cg23434186	chr18	67068730	0.014	0.041	DOK6	Body
ch.2.3504351F	chr2	173215253	0.013	0.041	-	-
cg08435079	chr1	36615170	0.005	0.041	TRAPPC3	TSS200
cg26995992	chr16	87417792	0.006	0.041	FBXO31;FBXO	TSS1500;Body
cg11807006	chr17	7239821	0.004	0.041	ACAP1	TSS200
cg04509074	chr5	2754274	0.008	0.041	C5orf38	Body
cg21973276	chr15	66994600	0.005	0.041	SMAD6;SMAD	TSS200;TSS200
cg09313801	chr1	17446027	0.005	0.041	PADI2	TSS200
cg05611218	chr5	43121586	0.005	0.041	ZNF131	TSS200
cg08069043	chr5	175816344	0.012	0.041	NOP16;HIGD2	TSS1500;Body
cg01262337	chr3	53292025	0.015	0.041	TKT;TKT;TKT	TSS200;TSS200;TSS200
cg19152024	chr3	50374954	0.006	0.041	RASSF1;RASSF	TSS200;Body;Body;5'UTR
cg09387224	chr7	128574410	0.006	0.041	-	-
cg09430872	chr12	94495913	0.006	0.041	-	-
cg20935156	chr4	2252845	-0.003	0.041	MXD4	Body
cg26910465	chr15	43622671	0.01	0.041	ADAL;ADAL;L	CTSS200;TSS200;1stExon
cg22717109	chr2	86564944	0.006	0.041	REEP1;REEP1	;TSS200;Body;TSS200;TSS200
cg21103913	chr9	99180898	0.004	0.041	ZNF367	TSS1500
cg01811064	chr11	118972945	0.009	0.041	DPAGT1	TSS200
cg13699804	chr19	38146139	0.006	0.041	ZFP30;ZFP30	5'UTR;1stExon
cg12690313	chr7	157129430	0.015	0.041	DNAJB6;DNAJ	TSS1500;TSS1500
cg22997124	chr22	24200000	0.006	0.041	SLC2A11;SLC2	Body;TSS200;Body
cg11525834	chr7	73153318	0.022	0.041	ABHD11;ABHI	TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg11875676	chr12	56652374	0.005	0.041	ANKRD52	TSS1500
cg09378111	chr2	211036309	0.008	0.041	C2orf67	TSS1500
cg21507095	chr22	19754448	0.005	0.041	TBX1;TBX1;TB	Body;3'UTR;Body
cg05496203	chr2	66664798	0.004	0.041	MEI51	Body
cg27366775	chr16	3596858	-0.015	0.041	NLR3	Body
cg27269196	chr16	87584503	-0.003	0.041	-	-
cg24077080	chr1	37980043	0.01	0.041	MEAF6	Body
cg02705800	chr15	93199018	0.004	0.041	FAM174B;FAM	5'UTR;1stExon
cg05501829	chr17	3749777	0.009	0.041	C17orf85;C17	;TSS1500;TSS1500
cg15684290	chr8	6263623	0.015	0.041	MCPH1	TSS1500
cg10388316	chr1	1710208	0.005	0.041	NADK	TSS1500
cg13763876	chr11	117801492	0.004	0.041	TMPRSS13	TSS1500
cg26328427	chr5	43313410	0.007	0.041	HMGCS1;HMC	5'UTR;5'UTR
cg02658668	chr5	121525513	-0.004	0.041	-	-
cg24718838	chr1	54519450	0.007	0.041	C1orf83;TMEI	5'UTR;TSS1500
cg14773282	chr19	19754574	0.008	0.041	GMIP	TSS200
cg19607648	chr17	65373334	0.013	0.041	PITPNC1;PITP	TSS1500;TSS1500
cg12026563	chr19	18415804	0.006	0.041	-	-
cg22956015	chr17	38279503	0.014	0.041	MSL1	5'UTR
cg06509239	chr2	19558569	0.008	0.041	OSR1	TSS200
cg17632405	chr15	80445334	0.004	0.041	FAH	TSS200
cg05210526	chr1	64059049	0.009	0.041	PGM1;PGM1	1stExon;5'UTR
cg07560174	chr1	24018520	0.006	0.041	RPL11	Body
cg13051728	chr14	68086375	0.017	0.041	ARG2	TSS1500
cg11180364	chr10	97667244	0.003	0.041	C10orf131	TSS1500
cg20962356	chr11	75525637	0.014	0.041	UVRAG	TSS1500
cg03749016	chr8	23564591	0.006	0.041	NKX2-6	TSS1500
cg00033643	chr7	134001901	0.006	0.041	SLC35B4	TSS200
cg02149708	chr6	166582159	0.004	0.041	T	TSS200
cg15659537	chr12	75712028	-0.012	0.041	CAPS2	Body
cg13316171	chr2	187351035	0.006	0.041	ZC3H15;ZC3H	;1stExon;5'UTR
cg26152913	chr6	13815054	0.009	0.041	CCDC90A	TSS1500
cg24023097	chr4	152330337	0.007	0.041	FAM160A1	TSS200
cg26457761	chr10	75670714	0.004	0.041	PLAU;C10orf5	TSS200;3'UTR;TSS200
cg11074378	chr7	5938227	0.006	0.041	C7orf28A	TSS200
cg27679037	chr18	5542879	0.007	0.041	EPB41L3	5'UTR
cg10061117	chr11	121322622	0.003	0.041	SORL1	TSS1500
cg05815906	chr4	140374338	0.007	0.041	RAB33B	TSS1500
cg08527328	chr1	207925412	0.008	0.041	CD46;CD46;C	i1stExon;5'UTR;5'UTR;5'UTR;1stExon;5'UTR;5'UTR;1stExon;1stExon;5'UTR;1stExon;1stExon;5'UTR;1stExon;5'UTR
cg01087392	chr10	104005670	0.011	0.041	GBF1	5'UTR
cg15191648	chr18	76740262	0.014	0.041	SALL3	TSS200
cg16938363	chr6	1614285	0.009	0.041	-	-
cg06883949	chr4	1795240	0.006	0.041	FGFR3;FGFR3	;5'UTR;5'UTR;5'UTR
cg02070289	chr5	43066798	0.013	0.041	-	-
cg15014976	chr19	52101661	-0.007	0.041	-	-
cg25355723	chr17	37910446	0.005	0.041	-	-
cg15811753	chr2	65454775	0.005	0.041	ACTR2;ACTR2	TSS200;TSS200
cg18180673	chr5	137827632	0.011	0.041	-	-
cg25844211	chr1	229761456	0.008	0.041	URB2;TAF5L;T	TSS1500;5'UTR;5'UTR
cg18425696	chr14	61190401	0.016	0.041	SIX4	1stExon
cg19627207	chr6	31670610	0.011	0.041	BATS	Body
cg07338584	chr8	36757631	-0.006	0.041	KCNU1	Body
cg10293093	chr6	28984674	0.006	0.041	-	-
cg13060642	chr3	52556643	-0.015	0.041	STAB1	Body
cg00718519	chr6	30689608	0.011	0.041	TUBB	Body
cg08332492	chr19	19174762	0.004	0.041	SLC25A42	TSS200
cg12496710	chr17	8030076	0.041	0.041	-	-
cg10353612	chr8	33330866	0.033	0.041	FUT10	TSS1500
cg02783477	chr15	52821013	0.009	0.041	MYO5A;MYO5	;5'UTR;5'UTR;1stExon;1stExon
cg18834712	chr5	166406130	0.002	0.041	-	-
cg00089353	chr3	160473693	0.007	0.041	PPM1L	TSS1500
cg07863994	chr22	50964211	0.006	0.041	TYMP;SCO2;S	iBody;TSS200;TSS200;Body;5'UTR;Body;5'UTR
cg25105919	chr18	21083459	0.007	0.041	C18orf8	TSS200
cg11961746	chr7	5602219	0.003	0.041	-	-
cg13328921	chr7	72300513	0.018	0.041	SBDSP;SBDSP	;Body;Body;Body;Body

cg20018561	chr13	52586135	0.022	0.041	ALG11;ATP7B;TSS1500;TSS1500;TSS1500
cg26185056	chr10	89423504	-0.008	0.041	PAPSS2;PAPSS;Body;Body
cg20530585	chr3	149376036	0.011	0.041	WWTR1;WWT1;5'UTR;TSS200;TSS1500
cg13123840	chr6	31865676	0.007	0.041	EHMT2;EHMT TSS1500;TSS1500
cg07672411	chr8	103425193	0.008	0.041	UBR5 TSS1500
cg12177677	chr2	158300475	0.007	0.041	CYTIP 1stExon
cg00089798	chr12	62585204	0.003	0.041	FAM19A2;FAM 5'UTR;1stExon
cg02958194	chr7	97736036	0.008	0.041	LMTK2 TSS200
cg10365670	chr11	62446737	0.006	0.041	UBXN1 TSS1500
cg13759446	chr11	102667878	-0.005	0.041	MMP1;MMP1 Body;Body
cg27359501	chr18	67872919	0.014	0.042	RTTN;RTTN 1stExon;5'UTR
cg00518698	chr21	35015074	0.005	0.042	ITSN1;ITSN1;C 5'UTR;5'UTR;TSS1500
cg23831110	chr14	102785987	0.02	0.042	ZNF839 TSS200
cg04405414	chr1	169075578	0.006	0.042	ATP1B1;ATP1 TSS1500;TSS1500
cg01622344	chr12	71833515	0.008	0.042	LGR5 TSS1500
cg18705279	chr16	67197129	0.006	0.042	HSF4;HSF4;FB TSS200;TSS200;Body
cg25795625	chr2	209120001	0.013	0.042	IDH1 TSS200
cg14878230	chr13	20437969	0.004	0.042	ZMYM5;ZMYA TSS200;TSS200;TSS200
cg25485294	chr6	27841324	0.002	0.042	HIST1H4L;HIS1 TSS200;TSS1500
cg24452050	chr3	156806529	0.006	0.042	-
cg15080701	chr1	118472455	0.006	0.042	GDAP2;GDAP;TSS200;TSS200;5'UTR
cg07988120	chr16	57520496	0.006	0.042	DOK4 TSS200
cg13237033	chr14	61116216	0.003	0.042	SIX1 TSS200
cg00907939	chr3	197025640	0.003	0.042	DLG1;DLG1 TSS200;TSS200
cg17918227	chr11	115374096	0.01	0.042	CADM1;CADV Body;Body
cg03327164	chr1	94312233	0.008	0.042	MIR760 TSS200
cg07817320	chr12	58087572	0.011	0.042	OS9;OS9;OS9;TSS200;TSS200;TSS200;TSS200
cg26942196	chr11	67121099	0.003	0.042	POLD4;LOC10 TSS200;Body
cg21825879	chr11	91958458	0.007	0.042	-
cg06592416	chr3	57542240	0.005	0.042	PDE12 1stExon
cg24540003	chr11	65420184	0.003	0.042	-
cg06271630	chr10	3329765	-0.006	0.042	-
cg18743068	chr10	94831650	0.023	0.042	-
cg06326926	chr12	108523472	0.009	0.042	WSCD2 TSS200
cg25062542	chr1	116916465	0.005	0.042	ATP1A1;ATP1;Body;TSS200
cg17269277	chr4	1796142	0.007	0.042	FGFR3;FGFR3; Body;Body;Body
cg01447966	chr1	234744778	0.007	0.042	IRF2BP2;IRF2E 1stExon;1stExon
cg19705626	chr12	133066682	0.013	0.042	FBRSL1 TSS1500
cg13841804	chr1	150207467	0.011	0.042	ANP32E;ANP3 TSS1500;Body;Body
cg12105361	chr19	10216875	0.004	0.042	PPAN-P2RY11 TSS200;TSS1500;TSS200
cg10102242	chr16	4422216	0.007	0.042	VASN;CORO7 5'UTR;Body
cg22237346	chr12	123464821	0.019	0.042	ARL6IP4;ARL6 TSS200;TSS200;TSS200;TSS200
cg23508813	chr3	137488094	0.012	0.042	-
cg25473981	chr6	34433676	0.035	0.042	PACIN1 TSS1500
cg10671946	chr6	31740805	-0.018	0.042	C6orf27 Body
cg15392792	chr19	10829173	0.006	0.042	MIR638;DNM; Body;Body;Body;Body
cg22859423	chr1	154842862	0.007	0.042	KCNN3 TSS200
cg01776877	chr11	86666372	0.016	0.042	FZD4;FZD4 1stExon;5'UTR
cg17286640	chr4	55991202	0.003	0.042	KDR Body
cg05994094	chr18	31020806	0.019	0.042	C18orf34;C18;TSS200;TSS1500
cg17437181	chr20	44520166	0.005	0.042	CTSA;CTSA;NE 5'UTR;Body;TSS1500;Body
cg25152136	chr3	139655077	0.005	0.042	CLSTN2 Body
cg09884889	chr12	102455676	0.002	0.042	CCDC53 Body
cg11311579	chr10	102106754	0.006	0.042	SCD TSS200
cg25259711	chr8	105235978	0.007	0.042	RIMS2;RIMS2 Body;Body
cg15063465	chr19	54373043	0.009	0.042	MYADM;MYAI 5'UTR;5'UTR;5'UTR;1stExon;5'UTR
cg19809977	chr1	36851672	0.03	0.042	STRK40 TSS200
cg03721976	chr17	36859825	0.008	0.042	-
cg08067404	chr6	111580515	0.005	0.042	KIAA1919;KIA; 5'UTR;1stExon
cg06655771	chr12	12419053	0.025	0.042	LRP6 Body
cg11503720	chr1	166944856	0.006	0.042	ILDR2 TSS1500
cg19477001	chr10	104192319	0.022	0.042	CUEDC2;CUED 5'UTR;1stExon
cg08203824	chr5	126365785	0.008	0.042	MARCH3 5'UTR
cg06275813	chr18	55102925	0.006	0.042	ONECUT2;ONI 1stExon;5'UTR
cg20410995	chr1	89664545	0.005	0.042	GBP4;GBP4 1stExon;5'UTR
cg19917856	chr19	39687963	0.015	0.042	NCCRP1 Body
cg00355673	chr14	92573075	0.009	0.042	ATXN3;ATXN3 TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg14503783	chr9	100745159	0.005	0.042	ANP32B TSS1500
cg27315947	chr21	34915270	0.007	0.042	GART;GART;S TSS1500;TSS200;TSS200;TSS1500;TSS200;TSS200
cg09874600	chr15	64679818	0.021	0.042	TRIP4 TSS1500
cg15492104	chr14	74417249	0.01	0.042	COQ6;COQ6;F Body;5'UTR;TSS1500
cg03837677	chr22	45705688	0.004	0.042	FAM118A;FAM 5'UTR;TSS200
cg11408359	chr22	29602004	0.007	0.042	EMID1;EMID1 1stExon;5'UTR
cg04446749	chr5	68530605	0.007	0.042	CDK7 TSS200
cg04924309	chr16	75551481	0.006	0.042	-
cg11245431	chr2	70056635	0.006	0.042	GMCL1 TSS200
cg18239753	chr6	62995963	0.002	0.042	KHDRBS2;KHD 1stExon;5'UTR
cg06277347	chr2	96987726	0.008	0.042	-
cg19021732	chr15	34502525	0.009	0.042	C15orf29 TSS1500
cg00035980	chr13	113600332	-0.008	0.042	-
cg24932686	chr7	27224954	0.012	0.042	HOXA11;HOX TSS200;TSS200
cg11612215	chr19	13991154	0.015	0.042	NANOS3 Body
cg21225608	chr4	52709259	0.011	0.042	DCUN1D4;DCI TSS200;TSS200
cg14793819	chr3	196669628	0.056	0.042	LOC152217;N Body;TSS200;TSS200
cg00256767	chr1	203096899	0.023	0.042	ADORA1;ADO 1stExon;1stExon;5'UTR;5'UTR
cg15577559	chr2	75874213	0.004	0.042	MRPL19 Body
cg11075451	chr1	89600119	-0.011	0.042	GBP7 Body
cg14723977	chr19	15532806	-0.005	0.042	WIZ 3'UTR
cg17430967	chr1	155948550	0.018	0.042	ARHGFE2;ARH TSS1500;TSS1500;TSS1500
cg02988267	chr1	78149396	0.006	0.042	ZZZ3 TSS1500
cg21799206	chr5	10563665	0.004	0.042	ANKRD33B TSS1500
cg27054524	chr16	19097807	0.005	0.042	-
cg17735983	chr19	59074482	0.019	0.042	MZF1;MZF1;L Body;Body;Body
cg22350305	chr3	54121898	0.016	0.042	-
cg09191731	chr16	22825046	0.063	0.042	HS3ST2 TSS1500
cg21491028	chr17	38136817	0.004	0.042	PSMD3 TSS1500
cg14284404	chr1	118472380	0.009	0.042	GDAP2;GDAP;TSS200;TSS200;1stExon;5'UTR
cg26351764	chr20	37554909	0.01	0.042	FAM83D TSS200
cg16720687	chr10	79686437	0.01	0.042	LOC10012829 TSS200;TSS200
cg13353245	chr8	146127515	0.006	0.042	ZNF250;ZNF2 TSS1500;TSS1500
cg00108222	chr15	49268046	0.007	0.042	-
cg13183628	chr1	1259698	0.005	0.042	GLTPD1;CPSE;TSS1500;Body
cg02011074	chr1	171810468	0.003	0.042	DNM3;DNM3 TSS200;TSS200
cg21257892	chr6	99963170	0.015	0.042	USP45;USP45 1stExon;5'UTR
cg12927990	chr18	56887320	0.004	0.042	GRP;GRP;GRP TSS200;TSS200;TSS200

cg17656513	chr3	47324533	0.004	0.042	KIF9;KIF9;KIF9 TSS200;TSS200;TSS200;1stExon
cg15072625	chr6	86302950	0.008	0.042	SNX14;SNX14 Body;Body
cg12767885	chr10	134350658	0.006	0.042	INPP5A TSS1500
cg15293611	chr1	182759062	0.007	0.042	-
cg06335343	chr10	95653942	0.02	0.042	TMEM20;TME 1stExon;1stExon
cg19375751	chr11	68227861	0.005	0.042	SAPS3;SAPS3;; TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg09096430	chr3	52444765	0.006	0.042	PHF7;PHF7;PH 1stExon;5'UTR;5'UTR;1stExon
cg15806109	chr3	125802485	0.007	0.042	SLC41A3;SLC4 5'UTR;5'UTR;5'UTR;5'UTR
cg12783640	chr3	183735660	0.001	0.042	ABCC5;ABCC5 1stExon;1stExon;5'UTR;5'UTR
cg24034429	chr1	26361657	0.005	0.042	EXTL1 Body
cg23030069	chr11	2162183	0.003	0.042	IGF2AS;INS-IG Body;Body;5'UTR;5'UTR;1stExon;Body
cg16268051	chr1	22379390	0.006	0.042	CDC42;CDC42 5'UTR;5'UTR;5'UTR
cg22506050	chr7	19748828	0.007	0.042	TWISTNB TSS200
cg14635269	chr9	129439339	0.004	0.042	LMX1B Body
cg11835512	chr19	11266792	0.004	0.042	SPC24 TSS1500
cg20839768	chr12	56511953	0.003	0.042	ZC3H10 TSS200
cg10669279	chr6	46726850	-0.005	0.042	LOC10028771 3'UTR
cg00734993	chr6	36953694	0.004	0.042	MTCH1 1stExon
cg10857807	chr7	2272392	0.005	0.042	MAD1L1;MAD 5'UTR;5'UTR;5'UTR
cg15229027	chr14	64805542	0.014	0.042	ESR2 TSS1500
cg22080435	chr13	21100193	0.007	0.042	CRYL1 TSS200
cg06988003	chr5	92916935	0.007	0.042	FLJ42709;FLJ4 Body;Body
cg03648690	chr13	99383591	-0.003	0.042	SLC15A1 Body
cg10376598	chr19	19739411	0.008	0.042	LPAR2 TSS1500
cg06871863	chr6	26596088	0.008	0.042	ABT1 TSS1500
cg04733388	chr3	132378753	0.004	0.042	ACAD11;UBA5 1stExon;5'UTR;5'UTR;TSS1500
cg24626542	chr12	125020267	-0.006	0.043	NCOR2;NCOR TSS200;TSS200
cg17967973	chr11	126139042	0.005	0.043	FOXRED1;SRPI TSS200;TSS1500
cg21704166	chr6	155717789	-0.004	0.043	NOX3 3'UTR
cg26816363	chr19	46295874	0.008	0.043	DMWD 1stExon
cg07195941	chr17	42386123	0.014	0.043	RUNDC3A;RUI 1stExon;1stExon;5'UTR;1stExon;5'UTR;5'UTR
cg16622950	chr12	115100633	0.006	0.043	-
cg04873147	chr13	73634369	0.01	0.043	KLF5 Body
cg00266322	chr17	72889549	0.008	0.043	FADS6 1stExon
cg15619794	chr5	131880649	-0.004	0.043	IL5 TSS1500
cg16309944	chr5	122847756	0.006	0.043	CSNK1G3;CSN TSS200;TSS200;TSS200;TSS200
cg06392442	chr4	184719063	0.006	0.043	-
cg19301058	chr1	145438404	0.008	0.043	TXNIP TSS200
cg24056562	chr19	12917484	0.007	0.043	RNA5EH2A;RN 5'UTR;1stExon
cg11006622	chr12	120884542	0.012	0.043	TRIAP1;GATC TSS1500;Body
cg13219625	chr3	49823913	0.005	0.043	IP6K1;IP6K1;IF 5'UTR;1stExon;1stExon;5'UTR
cg18390991	chr2	217672659	-0.003	0.043	-
cg00415642	chr21	16437351	0.008	0.043	NRIP1 TSS1500
cg16398128	chr5	16465888	0.006	0.043	ZNF622;ZNF6; 5'UTR;1stExon
cg03392038	chr12	48152951	0.006	0.043	RAPGEF3;RAP TSS1500;TSS200;TSS1500
cg08561821	chr17	2241027	0.003	0.043	SGSM2;TSR1; 1stExon;TSS1500;1stExon
cg08386897	chr10	134073820	-0.005	0.043	STK32C Body
cg11973177	chr10	17271006	0.008	0.043	VIM 5'UTR
cg25954914	chr2	54785183	0.019	0.043	SPTBN1;SPTB TSS1500;Body
cg02210314	chr16	542600	-0.004	0.043	RAB11FIP3;RA Body;Body
cg18306246	chr22	20067407	0.008	0.043	DGCR8 TSS1500
cg06629086	chr12	6715057	0.01	0.043	CHD4 Body
cg04366801	chr1	26947443	0.003	0.043	-
cg07276358	chr13	114263342	-0.004	0.043	TFDP1;TFDP1 Body;Body
cg08334199	chr2	178128998	0.006	0.043	NFE2L2;NFE2L Body;TSS1500;TSS1500
cg21535000	chr8	9760877	0.009	0.043	LOC157627 TSS200
cg11893448	chr1	206858547	0.01	0.043	MAPKAPK2;M 5'UTR;1stExon;5'UTR;1stExon
cg06960164	chr6	42072147	0.022	0.043	C6orf132 Body
cg24515202	chr11	62495977	0.004	0.043	TTC9C;HNRNP 5'UTR;TSS1500;1stExon
cg17752112	chr19	11450515	0.011	0.043	RAB3D TSS200
cg05270948	chr2	239109694	-0.004	0.043	ILKAP Body
cg13058581	chr11	129872885	0.002	0.043	NCRNA00167; Body;TSS200;TSS200
cg20646280	chr4	44449738	0.005	0.043	KCTD8 1stExon
cg16034458	chr7	44646072	0.007	0.043	OGDH;OGDH; TSS200;TSS200;TSS200
cg13385156	chr4	1750374	0.006	0.043	-
cg22803477	chr1	12777722	-0.004	0.043	AADACL3;AAC 5'UTR;Body
cg07095252	chr4	123718912	-0.003	0.043	-
cg22432367	chr6	157098650	0.004	0.043	ARID1B;ARID1 TSS1500;TSS1500;TSS1500
cg06128182	chr19	10305774	0.01	0.043	DNMT1;DNM TSS200;TSS200
cg11203927	chr22	41032991	0.005	0.043	MKL1 TSS1500
cg16246509	chr20	6032689	0.012	0.043	LRRN4 Body
cg01751681	chr12	3274899	-0.019	0.043	TSPAN9;TSPAI 5'UTR;5'UTR
cg16028201	chr1	62784802	0.007	0.043	KANK4;KANK4 5'UTR;1stExon
cg23236404	chr1	26232706	0.006	0.043	STMN1;STMN 5'UTR;TSS200;5'UTR;5'UTR
cg14123879	chr5	61602127	0.006	0.043	KIF2A;KIF2A;K 5'UTR;1stExon;5'UTR;1stExon
cg05622465	chr1	110613072	0.007	0.043	ALX3 1stExon
cg04993795	chr4	57770421	-0.004	0.043	-
cg10421002	chr15	33603610	0.006	0.043	RYR3 Body
cg07738800	chr9	135819856	0.013	0.043	TSC1;TSC1;TS 5'UTR;5'UTR;5'UTR
cg00826384	chr7	121513065	0.003	0.043	PTPRZ1 TSS200
cg13658263	chr10	70167264	0.008	0.043	RUFY2;RUFY2 TSS1500;TSS1500
cg11657970	chr5	148521075	0.003	0.043	ABLIM3;ABLIN 5'UTR;1stExon
cg23098131	chr4	76598683	0.007	0.043	G3BP2;G3BP2 TSS200;TSS1500;TSS200
cg03634887	chr16	66730948	0.017	0.043	CMTM4;CMT TSS1500;TSS1500
cg20047447	chr15	44084326	0.004	0.043	SERF2 TSS200
cg04593445	chr16	2265125	0.013	0.043	PGP TSS1500
cg10323240	chr18	54305489	0.007	0.043	TXNL1;TXNL1 Body;Body
cg25210023	chr4	3507188	-0.003	0.043	-
cg11675722	chr1	61542677	0.009	0.043	NFIA TSS1500
cg15087147	chr7	127672169	0.006	0.043	SND1;LRRRC4 Body;TSS1500
cg06740866	chr5	32303446	-0.006	0.043	MTMR12 Body
cg20279673	chr22	17850431	0.008	0.043	-
cg14018231	chr4	113207355	0.015	0.043	TIFA TSS1500
cg00724018	chr14	53417436	0.004	0.043	FERMT2;FERM 5'UTR;5'UTR;5'UTR
cg08903587	chr7	73097967	0.005	0.043	DNAJC30;WBS TSS200;1stExon
cg06361272	chr1	185703659	0.006	0.043	HMCN1 TSS200
cg14672293	chr2	48542674	0.005	0.043	FOXN2 5'UTR
cg21625563	chr22	39152448	0.028	0.043	UNC84B TSS1500
cg23886509	chr1	42929244	0.006	0.043	-
cg09146232	chr17	64672129	-0.004	0.043	PRKCA Body
cg18591441	chr10	74452317	0.006	0.043	CCDC109A Body
cg18147226	chr4	85887769	0.006	0.043	WDFY3;C4orf TSS1500;TSS1500
cg10079740	chr16	55513480	0.004	0.043	MMP2 1stExon
cg10713320	chr3	98241469	0.013	0.043	CLDND1;CLDN 5'UTR;Body;Body;5'UTR;5'UTR;1stExon;5'UTR
cg12277145	chr1	160232707	0.009	0.043	DCAF8;DCAF8 TSS1500;TSS1500;TSS1500;TSS1500;TSS1500

cg22990198	chr20	62283533	0.02	0.043	STMN3	Body
cg23848541	chr22	30722865	0.003	0.043	TBC1D10A	1stExon
cg05702747	chr16	89006455	0.006	0.043	CBFA2T3;CBF5'UTR;Body	
cg09330979	chr1	114302082	0.019	0.043	PHTF1	TSS1500
cg06531655	chr19	11039470	0.015	0.043	C19orf52;YIPF	1stExon;TSS200;5'UTR
cg23536921	chr3	49824151	0.005	0.043	IP6K1;IP6K1	TSS200;TSS200
cg02568374	chr16	4588917	0.004	0.043	C16orf5	TSS200
cg09275869	chr18	44337099	0.005	0.043	ST8SIA5	TSS200
cg10680264	chr15	75470927	0.007	0.043	-	-
cg04987053	chr16	5038078	0.014	0.043	SEC14L5	Body
cg18108716	chr19	50037427	0.004	0.043	RCN3	Body
cg02115850	chr16	88870304	0.004	0.043	CDT1	1stExon
cg20172593	chr5	94891168	0.01	0.043	ARSK;TTC37	Body;TSS1500
cg09219177	chr10	27531207	0.003	0.044	ACBD5;ACBD5	TSS200;TSS1500;TSS200
cg23518257	chr19	4791542	0.007	0.044	FEM1A	TSS200
cg05301181	chr10	35379533	0.024	0.044	CUL2	TSS1500
cg09175718	chr10	97453958	0.014	0.044	TCTN3;TCTN3	TSS200;TSS200
cg26501154	chr6	113966694	-0.003	0.044	-	-
cg10486879	chr11	129872838	0.005	0.044	NCRNA00167;Body;	TSS200;TSS200
cg12117658	chr17	56406294	0.004	0.044	BZRAP1;BZRA1	TSS200;TSS200
cg02205739	chr9	132427570	0.003	0.044	PRRX2	TSS1500
cg01317300	chr17	62915056	0.007	0.044	LRR37A3	TSS200
cg04665838	chr7	148936646	0.011	0.044	ZNF212	TSS200
cg12425673	chr12	862975	0.01	0.044	WNK1	1stExon
cg23062801	chr2	6379031	-0.005	0.044	-	-
cg11616777	chr5	1431115	-0.004	0.044	SLC6A3	Body
cg12278799	chr22	36903320	0.004	0.044	FOXRED2;FOX	TSS1500;TSS200
cg18395777	chr1	76189954	0.032	0.044	ACADM;ACAD	TSS200;TSS200
cg03064968	chr1	94883526	0.007	0.044	ABCD3;ABCD3	TSS1500;TSS1500
cg19585816	chr8	41754742	0.014	0.044	ANK1	TSS1500
cg05030481	chr5	1445593	0.005	0.044	SLC6A3	TSS200
cg07236445	chr8	120868172	0.002	0.044	DSCC1	TSS200
cg01076704	chr20	31127744	0.012	0.044	-	-
cg15344419	chr10	131769581	0.01	0.044	-	-
cg06487893	chr6	41436795	-0.003	0.044	-	-
cg25054828	chr17	72772726	0.009	0.044	NAT9;TMEM1	TSS1500;5'UTR
cg08915603	chr4	187476569	0.007	0.044	MTNR1A	TSS200
cg23227945	chr10	104154202	0.005	0.044	NFKB2;NFKB2	TSS1500;TSS200;TSS200
cg11542281	chr8	71315023	0.009	0.044	NCOA2	5'UTR
cg20544562	chr6	12012554	0.01	0.044	HIVEP1	TSS200
cg00960017	chr1	205091398	0.005	0.044	RBBP5	TSS1500
cg24525395	chr2	60797127	0.023	0.044	-	-
cg22155270	chr7	150065248	0.008	0.044	REPIN1;REPIN	TSS1500;TSS1500;TSS1500
cg14388466	chr8	118843355	-0.003	0.044	EXT1	Body
cg25603883	chr1	154944357	-0.008	0.044	SHC1;SHC1;SH	5'UTR;5'UTR;TSS1500;TSS1500
cg06675496	chr2	24582688	0.006	0.044	ITSN2;ITSN2;	5'UTR;5'UTR;5'UTR
cg00252095	chr4	1334868	-0.017	0.044	-	-
cg07378762	chr3	169376470	0.003	0.044	MECOM	Body
cg27051931	chr18	28681962	0.007	0.044	DSC2;DSC2;D5	1stExon;5'UTR;1stExon;5'UTR
cg22134370	chr5	784832	0.007	0.044	-	-
cg17259656	chr5	148521112	0.006	0.044	ABLIM3;ABLIM	5'UTR;1stExon
cg17701336	chr19	40336349	0.024	0.044	FBL	Body
cg16592950	chr10	102820042	0.001	0.044	KAZALD1	TSS1500
cg04796973	chr4	25314218	0.005	0.044	ZCCHC4	TSS200
cg15651650	chr1	205425005	0.008	0.044	-	-
cg20306234	chr17	18162366	0.02	0.044	FLJ;SMCR7;SA	TSS1500;TSS1500;TSS1500
cg23234154	chr4	103682690	0.004	0.044	MANBA	TSS1500
cg06176124	chr3	105588009	0.009	0.044	CBLB	TSS200
cg02925840	chr1	180992110	0.014	0.044	STX6	TSS200
cg18215217	chr13	84456410	0.017	0.044	SLITRK1;SLITR	1stExon;5'UTR
cg24680586	chr10	105036727	0.005	0.044	INA	TSS200
cg24151027	chr5	77656318	0.007	0.044	SCAMP1	TSS200
cg00871673	chr12	122516220	0.019	0.044	MLXIP	TSS1500
cg15910323	chr12	129308685	0.005	0.044	SLC15A4	TSS200
cg10164686	chr6	2971950	0.003	0.044	SERPINB6;SER	1stExon;5'UTR
cg04342821	chr3	42814752	0.004	0.044	CCDC13	TSS200
cg06609427	chr1	156391173	0.004	0.044	C1orf61;MIR9	5'UTR;TSS1500
cg19578835	chr14	38067622	0.01	0.044	-	-
cg07309102	chr9	110251826	0.003	0.044	KLF4;KLF4	1stExon;5'UTR
cg02809796	chr4	749139	-0.008	0.044	PCGF3	Body
cg14524775	chr1	155920832	-0.004	0.044	ARHGFE2;ARH	Body;Body;Body
cg02222103	chr17	5389592	0.009	0.044	DERL2;MIS12	TSS200;TSS1500
cg11669387	chr5	157285902	0.005	0.044	CLINT1	Body
cg12028991	chr19	8455122	0.005	0.044	RAB11B	TSS200
cg26736400	chr11	66360499	0.004	0.044	CCDC87;CCDC	1stExon;5'UTR;TSS200
cg22709563	chr2	127976738	0.01	0.044	-	-
cg17298884	chr22	42343226	0.01	0.044	CENPM;CENPI	TSS200;TSS200
cg16570256	chr11	26997229	-0.002	0.044	-	-
cg11442185	chr12	56693681	0.011	0.044	CS	Body
cg27301596	chr19	4054762	-0.005	0.044	ZBTB7A	Body
cg09298014	chr14	97058864	0.018	0.044	-	-
cg08234927	chr10	104155285	0.014	0.044	NFKB2;NFKB2	5'UTR;TSS200;5'UTR
cg11757352	chr13	30728812	-0.006	0.044	-	-
cg14907788	chr19	2555976	-0.028	0.044	GNG7	5'UTR
cg09637024	chr8	6264193	0.003	0.044	MCPH1	1stExon
cg19019804	chr17	72919384	0.024	0.044	OTOP2;USH1C	TSS1500;TSS200
cg02682829	chr6	4021363	0.004	0.044	PRPF4B	TSS1500
cg01911352	chr22	38302090	0.005	0.044	MICALL1	TSS1500
cg16209045	chr19	2328691	0.003	0.044	SPPL2B;SPPL2	5'UTR;1stExon;1stExon;5'UTR;TSS200
cg25070637	chr8	97505868	0.005	0.044	SDC2	TSS200
cg07500019	chr6	33281113	0.008	0.044	TAPBP;TAPBP;	Body;Body;Body
cg17024526	chr3	53925298	0.004	0.044	SELK	Body
cg24530812	chr11	45392773	0.006	0.044	-	-
cg02563962	chr11	61595550	0.009	0.044	FADS2	TSS200
ch.4.54268536R	chr4	54573779	0.007	0.044	-	-
cg10484485	chr4	154387599	0.009	0.044	KIAA0922;KIA	1stExon;1stExon
cg12976081	chr3	147105899	0.016	0.044	ZIC4;ZIC4;ZIC4	3'UTR;Body;3'UTR;Body;3'UTR
cg01807412	chr17	38443956	0.006	0.044	CDC6	TSS200
cg27143749	chr2	242688348	-0.006	0.044	D2HGDH	Body
cg04467034	chr13	111567140	0.005	0.044	ANKRD10	1stExon
cg00643929	chr19	3506558	0.006	0.044	FZR1	5'UTR
cg01295022	chr11	100558647	0.004	0.044	FLJ32810	Body
cg02833127	chr4	177116733	0.009	0.044	SPATA4;SPAT	1stExon;5'UTR
cg26909299	chr2	74757141	0.009	0.044	HTRA2;AUP1;	1stExon;TSS200;1stExon
cg22105582	chr18	52496070	0	0.044	RAB27B	5'UTR

cg02277487	chr2	70781256	0.004	0.044	TGFA;TGFA	TSS200;TSS200
cg09111484	chr12	80749651	-0.006	0.044	-	-
cg22228488	chr12	21654508	0.013	0.044	RECQL;RECQL	1stExon;1stExon;5'UTR;5'UTR;TSS200
cg08501815	chr12	2903984	0.002	0.044	FKBP4	TSS200
cg16068383	chr15	56201496	-0.006	0.044	NEDD4;NEDD4	Body;Body
cg14167139	chr11	108369406	0.004	0.044	KDEL2C	TSS1500
cg06749053	chr11	121971219	0.019	0.044	MIR125B1;LOI	TSS1500;Body
cg16261965	chr12	49350941	0.01	0.044	ARF3	5'UTR
cg07231787	chr14	79745403	0.005	0.044	NRXN3;NRXN	Body;TSS1500;TSS1500
cg19478072	chr9	15423182	0.003	0.044	SNAPC3	1stExon
cg03683994	chr16	85480254	-0.005	0.044	-	-
cg17935035	chr15	40763388	0.005	0.044	CHST14;CHST	1stExon;5'UTR
cg04132353	chr2	31440349	-0.009	0.044	CAPN14;CAPN	1stExon;5'UTR
cg23877720	chr7	49815117	0.012	0.044	VWC2	Body
cg04950384	chr6	46620778	0.002	0.044	SLC25A27;SLC	5'UTR;1stExon;TSS1500
cg04798919	chr19	44039475	-0.073	0.044	ZNF575	Body
cg02629227	chr12	105501526	0.007	0.044	KIAA1033;KIA	1stExon;5'UTR
cg13807351	chr1	212458736	0.006	0.044	PPP2R5A	TSS200
cg11807584	chr17	41132474	0.005	0.044	AARSD1;AARS	1stExon;1stExon;TSS200;TSS1500;5'UTR;5'UTR;1stExon
cg11849281	chr7	35494507	0.004	0.044	-	-
cg01099875	chr20	23031678	0.003	0.044	THBD	TSS1500
cg17178280	chr15	41952458	0.01	0.044	MGA;MGA	TSS200;TSS200
cg22191326	chr15	98836379	0.003	0.044	-	-
cg10916865	chr7	158497561	0.007	0.044	NCAPG2	TSS200
cg24859316	chr1	201450362	0.014	0.044	-	-
ch.2.4086695R	chr2	205175098	0.004	0.044	-	-
cg00402812	chr1	109633307	0.003	0.044	TMEM167B	TSS200
cg23194281	chr11	85565930	0.015	0.044	CCDC83	TSS1500
cg05331162	chr4	186347403	0.009	0.044	UFSP2;UFSP2	TSS1500;TSS1500
cg10455757	chr9	35111424	0.005	0.044	KIAA1539	5'UTR
cg14139511	chr9	86238119	0.007	0.044	C9orf103	5'UTR
cg27487839	chr8	11058395	0.006	0.044	XKR6	1stExon
cg00053292	chr17	61678300	0.014	0.044	TACO1;TACO1	1stExon;5'UTR
cg05425050	chr11	27494410	0.006	0.044	LGR4	TSS200
cg01953889	chr6	52442149	0.013	0.044	TRAM2	TSS1500
cg02395434	chr3	81604026	-0.009	0.044	GBE1	Body
cg14808132	chr3	10547179	0.008	0.044	ATP2B2;ATP2	1stExon;1stExon;5'UTR;5'UTR
cg25384897	chr6	32813544	0.003	0.044	TAP1;PSMB8	Body;TSS1500
cg03214526	chr12	108079950	0.003	0.044	PWP1	Body
cg24543488	chr6	118972731	0.007	0.044	C6orf204;C6o	5'UTR;5'UTR;1stExon;1stExon
cg10380221	chr16	31075618	0.024	0.044	ZNF668	Body
cg08206536	chr3	39424697	0.003	0.044	SLC25A38	TSS200
cg10292851	chr8	101572103	0.015	0.044	ANKRD46	TSS200
cg24645247	chr1	245028059	0.003	0.044	HNRNP4;HNR	TSS1500;TSS1500
cg24533257	chr5	138940694	0.005	0.044	UBE2D2;UBE2	TSS200;TSS200
cg19051578	chr5	59996328	0.005	0.044	DEPDC1B;DEP	TSS1500;TSS1500
cg23196346	chr10	24808256	0.065	0.044	KIAA1217;KIA	Body;Body;Body
cg01933235	chr17	7517691	0.006	0.044	FXR2;SHBG	Body;Body
cg08035942	chr18	72921337	0.01	0.044	TSHZ1;ZADH2	TSS1500;TSS200
cg16774105	chr16	85625507	-0.005	0.044	-	-
cg25267957	chr22	32871051	0.005	0.044	FBXO7;FBXO7	TSS200;1stExon
cg18732527	chr19	11669878	0.015	0.044	ELOF1	5'UTR
cg24683293	chr3	12517725	-0.005	0.044	-	-
cg13407422	chr20	25371439	0.007	0.044	ABHD12;ABH1	1stExon;5'UTR;5'UTR;1stExon
cg23300289	chr9	132146083	0.013	0.044	-	-
cg10099813	chr4	15022372	-0.004	0.044	CPEB2;CPEB2	Body;Body
cg00852414	chr14	101543050	-0.011	0.044	-	-
cg14567489	chr20	43977078	0.007	0.044	SDC4	TSS200
cg01756660	chr12	53625915	0.021	0.044	RARG;RARG	1stExon;5'UTR
cg12052896	chr2	172379846	0.005	0.044	CYBRD1;CYBR	Body;Body
cg11542336	chr17	4042717	-0.006	0.044	ZZEF1	Body
cg12204773	chr17	7123253	0.008	0.044	DLG4;ACADVL	5'UTR;5'UTR;1stExon;5'UTR;1stExon;1stExon
cg04541695	chr4	18023633	0.004	0.044	LCORL;LCORL	TSS200;TSS200
cg21908259	chr12	49318998	0.003	0.044	FKBP11;FKBP1	Body;TSS1500;Body
cg02225485	chr10	106014562	0.008	0.044	GSTO1	TSS200
cg10334916	chr2	241508098	0.018	0.044	RNPEL1	TSS200
cg27273310	chr10	131642913	-0.005	0.044	EBF3	Body
cg12385425	chr2	62733576	0.005	0.044	TMEM17;TME	5'UTR;1stExon
cg15679665	chr2	200328475	0.004	0.044	-	-
cg07370274	chr9	29825210	-0.004	0.045	-	-
cg02256047	chr14	93260599	0.004	0.045	GOLGA5	TSS200
cg19105459	chr4	83295282	0.005	0.045	HNRNP4;HNR	TSS200;TSS200;TSS200;TSS200
cg08460435	chr1	109203610	0.007	0.045	C1orf59;C1orf	1stExon;5'UTR;5'UTR
cg22711797	chr4	39183878	0.007	0.045	WDR19	TSS200
cg11477110	chr19	3985654	0.006	0.045	EEF2	TSS200
cg09171127	chr8	8751325	0.006	0.045	MFHAS1	TSS200
cg27629044	chr12	132628994	0.004	0.045	DDX51;NOC4	TSS200;5'UTR;1stExon
cg12446644	chr17	37026641	0.025	0.045	LASP1	Body
cg26780750	chr16	4743284	0.008	0.045	NUDT16L1	TSS1500
cg19023046	chr5	93446954	0.009	0.045	FAM172A;FAM	Body;5'UTR;5'UTR;5'UTR
cg03669052	chr18	72164002	0.006	0.045	CNDP2	5'UTR
cg12504804	chr17	30813443	0.008	0.045	CDK5R1	TSS1500
cg23894563	chr8	17503334	-0.006	0.045	MTUS1;MTUS	3'UTR;3'UTR;3'UTR;3'UTR
cg15794252	chr8	121824419	0.004	0.045	SNTB1	TSS200
cg19602773	chr3	52007747	0.023	0.045	ABHD14B;ABH	Body;5'UTR;TSS1500;5'UTR
cg26392439	chr4	87927884	0.004	0.045	AFF1;AFF1	Body;TSS1500
cg20218275	chr11	67055946	0.01	0.045	ANKRD13D;AN	TSS1500;TSS1500
cg01071313	chr17	18162121	0.01	0.045	FLII	TSS200
cg09189752	chr12	2113749	0.005	0.045	DCP1B	TSS200
cg24611648	chr5	93954528	0.002	0.045	C5orf36;C5orf	TSS1500;TSS1500;5'UTR
cg06043109	chr15	40987009	0.005	0.045	RAD51;RAD51	TSS1500;TSS1500;TSS1500;TSS1500
cg04547170	chr19	4670527	0.01	0.045	C19orf10	TSS200
cg03616377	chr14	60386272	0.006	0.045	-	-
cg06062590	chr3	99536761	0.01	0.045	MIRS48G;C3o	Body;1stExon;5'UTR
cg09470163	chr5	322032	0.007	0.045	AHRR	Body
cg11485602	chr3	58419482	0.01	0.045	PDHB	Body
cg17046289	chr12	125473431	0.008	0.045	DHX37	Body
cg26413987	chr12	121124951	0.004	0.045	MLEC;MLEC	1stExon;5'UTR
cg11356029	chr5	72112729	0.015	0.045	TNPO1	Body
cg16415931	chr11	10879592	0.005	0.045	ZBED5;ZBED5	5'UTR;1stExon;1stExon;5'UTR
cg21351151	chr5	139937192	0.003	0.045	SRA1;SRA1	1stExon;5'UTR
cg04398603	chr3	9439238	0.006	0.045	SETD5;LOC44	(TSS200;TSS200
cg08105352	chr1	114695261	0.024	0.045	SYTG	5'UTR
cg19819138	chr1	200589910	0.007	0.045	KIF14	TSS200
cg02072170	chr3	194406190	0.012	0.045	FAM43A	TSS1500

cg01893681	chr5	162864291	0.02	0.045	CCNG1;CCNG: TSS1500;TSS1500
cg03770455	chr21	35014624	0.004	0.045	ITSN1;CRYZL1; TSS200;TSS1500;TSS200
cg06772063	chr16	54150765	-0.001	0.045	-
cg06045062	chr4	100009749	0.013	0.045	ADH5 Body
cg20698170	chr15	42120362	0.005	0.045	JMJD7;JMJD7- 1stExon;1stExon;Body
cg08540943	chr2	232120301	-0.004	0.045	ARMC9 Body
cg13754922	chr9	124922158	0.02	0.045	NDUFA8;MOR TSS200;TSS200
cg14300019	chr9	37465604	0.004	0.045	ZBTB5 TSS200
cg01350699	chr4	103616864	-0.002	0.045	MANBA Body
cg04005480	chr6	122931308	0.005	0.045	PKIB;PKIB;PKII TSS200;5'UTR;TSS200
cg14825828	chr1	220219906	0.01	0.045	EPRS;EPRS 1stExon;5' UTR
cg02141726	chr2	129493678	-0.003	0.045	-
cg01117925	chr14	105267060	0.006	0.045	ZBTB42 5'UTR
cg04992991	chr3	155524211	0.007	0.045	C3orf33 TSS200
cg25275443	chr7	21224189	-0.005	0.045	-
cg20327686	chr17	40985225	0.005	0.045	PSME3;PSME: TSS200;TSS200
cg12151820	chr14	68162520	0.012	0.045	RDH11 TSS200
cg00934464	chr2	233562332	0.002	0.045	GIGYF2;GIGYF 5'UTR;5'UTR;5'UTR;5'UTR
cg15149205	chr8	126403700	-0.005	0.045	-
cg25519033	chr11	695585	0.005	0.045	TMEM80;TME TSS200;TSS200;5'UTR;1stExon
cg13905199	chr9	103789186	-0.02	0.045	-
cg21120786	chr7	26904188	0.012	0.045	SKAP2;SKAP2 5'UTR;1stExon
cg08379586	chr8	11560451	0.005	0.045	GATA4 TSS1500
cg16872086	chr7	25991027	0.005	0.045	MIR148A TSS1500
cg16010723	chr1	92764349	0.006	0.045	RPAP2;GLMN TSS200;5'UTR
cg10979631	chr13	21714325	0.035	0.045	SAP18 TSS1500
cg26927285	chr19	46280688	-0.003	0.045	DMPK;DMPK; Body;Body;Body;Body
cg18862094	chr20	2644880	0.005	0.045	IDH3B;IDH3B; TSS200;TSS200;TSS200
cg07191560	chr20	20693706	0.011	0.045	RALGAPA2 TSS1500
cg08160253	chr20	10153013	0.019	0.045	-
cg18491775	chr10	76586186	0.016	0.045	MYST4 TSS200
cg06894812	chr5	112630225	0.003	0.045	MCC;MCC;MC 5'UTR;1stExon;Body
cg20746096	chr12	64238043	0.006	0.046	SRGAP1 TSS1500
cg18104645	chr17	75447504	0.005	0.046	SEPT9;SEPT9; Body;5'UTR;Body;Body;Body;Body
cg24150172	chr8	55372111	0.006	0.046	SOX17 Body
cg11897517	chr6	109761938	0.005	0.046	SMPD2;SMPD 5'UTR;1stExon;TSS200;TSS200
cg02955377	chr7	150434640	0.018	0.046	GIMAP5;GIM# 1stExon;5' UTR
cg00988227	chr5	40693569	-0.006	0.046	PTGER4 3'UTR
cg04284661	chr16	30457273	0.021	0.046	SEPHS2 TSS200
cg01064957	chr5	122110867	0.017	0.046	SNX2 1stExon
cg19306047	chr19	19739407	0.006	0.046	LPAR2 TSS1500
cg12211962	chr10	97416693	0.005	0.046	ALDH18A1;AL TSS200;TSS200
cg10796679	chr12	112451033	0.012	0.046	ERP29;ERP29; TSS200;TSS200;TSS200
cg10391629	chr13	42846072	0.006	0.046	AKAP11 TSS1500
cg24823751	chr10	21786419	0.004	0.046	MIR1915;C10; TSS1500;TSS1500
cg12967001	chr18	5544089	0.004	0.046	EPB41L3 TSS200
cg13000490	chr12	6954471	-0.022	0.046	GNB3 Body
cg00497967	chr16	77822438	0.016	0.046	VAT1L TSS200
cg23322996	chr12	94312405	-0.005	0.046	-
cg16574285	chr2	102004085	0.006	0.046	CREG2 TSS200
cg10535919	chr1	154909428	0.008	0.046	PMVK;PMVK 5'UTR;1stExon
cg04553559	chr8	37552657	0.004	0.046	ZNF703 TSS1500
cg04360491	chr11	47600569	0.011	0.046	NDUFS3;KBTB 1stExon;TSS200;TSS200;5'UTR;TSS200
cg01448341	chr20	36322394	0.005	0.046	CTNBL1 TSS200
cg05288857	chr19	2226551	-0.011	0.046	DOT1L Body
cg03384419	chr16	68024755	-0.003	0.046	DPEP2 Body
cg24602552	chr1	204654410	0.004	0.046	LRRN2;LRRN2 5'UTR;5'UTR
cg02635865	chr20	56885090	0.009	0.046	RAB22A;PPP4 Body;TSS1500
cg08462678	chr12	120428065	0.025	0.046	CCDC64 1stExon
cg14153319	chr2	36584021	0.005	0.046	CRIM1 Body
cg05342250	chr12	58240843	0.004	0.046	CTDSP2 TSS200
cg22504175	chr7	143042585	0.011	0.046	CLCN1 Body
cg13766830	chr19	15443073	0.005	0.046	-
cg24577279	chr8	72274203	0.005	0.046	EYA1;EYA1 5'UTR;1stExon
cg10323457	chr2	208890222	0.007	0.046	PLEKHM3;PLE 5'UTR;1stExon
cg17924072	chr19	1075067	0.007	0.046	HMHA1 Body
cg14382259	chr7	74071764	0.005	0.046	GTF2I;GTF2I;G TSS1500;TSS1500;TSS1500;TSS1500
cg23551132	chr14	32030686	0.005	0.046	NUBPL 1stExon
cg05368730	chr12	132657879	0.024	0.046	-
cg12311636	chr6	118886798	-0.008	0.046	C6orf204;C6o Body;Body
cg04478606	chr22	49080640	-0.008	0.046	FAM19A5;FAH Body;Body
cg18578263	chr19	39369067	0.013	0.046	RINL TSS200
cg09185179	chr1	112297970	0.008	0.046	C1orf183;DDX Body;TSS1500
cg15401697	chr9	135545019	0.017	0.046	DDX31;GTF3C Body;TSS1500;Body
cg26976562	chr6	137540401	0.005	0.046	IFNGR1 1stExon
cg20683799	chr1	63989117	0.021	0.046	ITGB3BP;EFCA TSS1500;1stExon;5'UTR
cg22507733	chr8	28352396	0.011	0.046	FZD3 5'UTR
cg10248552	chr3	184871027	0.007	0.046	C3orf70 TSS1500
cg04565649	chr5	72861166	0.007	0.046	UTP15;ANKRA TSS1500;5'UTR;1stExon
cg18780412	chr3	179755086	0.007	0.046	PEXS1 TSS1500
cg07445167	chr11	64359658	-0.011	0.046	SLC22A12;SLC Body;5'UTR
cg20349076	chr11	118992192	0.056	0.046	HINFP;HINFP TSS200;TSS200
cg00549463	chr1	6480232	0.008	0.046	HES2 TSS1500
cg04702354	chr6	151410066	-0.004	0.046	MTHFD1L Body
cg08269119	chr19	15560224	0.005	0.046	WIZ;MIR1470 5'UTR;TSS200
cg15993083	chr12	4381788	0.009	0.046	CCND2 TSS1500
cg04847172	chr20	36155979	0.01	0.046	BLCAP;BLCAP; 5'UTR;5'UTR;5'UTR;5'UTR;1stExon
cg04856841	chr1	156308275	0.005	0.046	CCT3;CCT3;C1 TSS200;TSS200;5'UTR;TSS200
cg20859089	chr17	37557777	0.006	0.046	FBXL20;FBXL2 1stExon;5' UTR
cg11035195	chr17	72920232	0.01	0.046	OTOP2;USH1C TSS200;TSS1500
cg12484686	chr17	14204340	0.005	0.046	HS3ST3B1 TSS200
cg24981363	chr3	122512705	0.005	0.046	DIRC2;HSPBAI TSS1500;TSS200
cg05916671	chr17	15848216	0.011	0.046	ADORA2B TSS200
cg03164785	chr19	23456790	0.008	0.046	-
cg21521454	chr19	48972670	0.01	0.046	CYTH2;CYTH2; 5'UTR;1stExon;1stExon;5'UTR
cg08121478	chr19	47217786	0.008	0.046	PRKD2;PRKD2 TSS1500;Body;Body;Body
cg06211459	chr4	17513897	0.014	0.046	QDPR TSS200
cg116600119	chr3	129033604	0.008	0.046	-
cg07898084	chr13	53029385	0.004	0.046	CKAP2;CKAP2 TSS200;TSS200
cg10463150	chr4	185941601	0.003	0.046	HELT Body
cg05443326	chr5	126853169	0.007	0.046	PRRC1 TSS200
cg17170872	chr1	91487911	0.007	0.046	ZNF644;ZNF6 TSS1500;TSS1500;TSS1500
cg04353603	chr1	95320222	0.009	0.046	SLC44A3;SLC4 Body;Body
cg25000764	chr4	1736245	-0.006	0.046	TACC3 Body
cg25366582	chr13	25621027	0.005	0.046	-

cg14401372	chr7	2272828	0.004	0.046	MAD1L1;MAD TSS1500;TSS1500;TSS1500
cg03419885	chr11	125036385	0.013	0.046	PKNOX2 5'UTR
cg10204488	chr7	110022962	-0.027	0.046	-
cg06567423	chr11	125462867	0.004	0.046	STT3A 5'UTR
cg00695560	chr13	100153670	0.004	0.046	TM95F2 TSS200
cg18581405	chr19	3180035	0.006	0.046	S1PR4;S1PR4 3'UTR;1stExon
cg09595537	chr4	668144	0.009	0.046	ATP5I TSS200
cg06377152	chr20	20348903	0.005	0.046	INSM1;INSM1 1stExon;5'UTR
cg04610897	chr11	2418102	-0.008	0.046	CD81 3'UTR
cg23702614	chr21	45176069	-0.007	0.046	PDXK 3'UTR
cg01558960	chr16	86963079	0.01	0.046	-
cg25162794	chr2	97509831	-0.008	0.046	ANKRD23 TSS200
cg20432181	chr1	11780001	0.006	0.046	C1orf187 3'UTR
cg19318095	chr19	53496835	0.005	0.046	ZNF702P TSS200
cg13266631	chr8	24815006	0.005	0.046	NEFL TSS1500
cg02245837	chr15	26108739	0.003	0.046	ATP10A TSS1500
cg27515369	chr3	140770599	0.006	0.046	SPSB4 TSS200
cg21290316	chr18	34409192	0.006	0.046	KIAA1328;C18 Body;TSS200
cg02134248	chr6	170605003	0.005	0.046	-
cg14290616	chr22	40420987	0.007	0.046	FAM83F Body
cg02329140	chr1	232668750	-0.005	0.046	-
cg14545899	chr1	118149019	0.003	0.046	FAM46C 5'UTR
cg06767701	chr1	152008878	0.009	0.046	S100A11 Body
cg24758173	chr10	104263948	0.01	0.046	SUFU;ACTR1A 1stExon;TSS1500
cg21453451	chr3	181414237	0.011	0.046	SOX2OT Body
cg26544020	chr15	41851039	0.009	0.046	TYRO3 TSS200
cg03589372	chr16	31119605	0.006	0.046	BCKDK;BCKDK TSS200;TSS200
cg24824917	chr19	1101716	0.01	0.046	-
cg19999829	chr3	10289974	0.011	0.046	TATDN2 TSS1500
cg27374441	chr20	60640967	0.008	0.046	TAF4 TSS200
cg18913254	chr10	75173229	0.01	0.046	ANXA7;ANXA7 5'UTR;5'UTR
cg04989674	chr3	81811125	0.002	0.046	GBE1 TSS200
cg14752429	chr2	26569594	0.026	0.046	GPR113;GPR1 5'UTR;1stExon;Body
cg12699327	chr5	135170782	0.002	0.046	LOC153328 Body
cg17378617	chr11	62572592	0.018	0.046	NXF1;NXF1 Body;Body
cg13810683	chr10	70450755	-0.004	0.046	TET1 Body
cg04108127	chr1	222885781	0.027	0.046	AIDA;C1orf58;1stExon;TSS200;5'UTR
cg09287164	chr2	220462681	0.008	0.046	STK11IP Body
cg05525106	chr6	74162089	0.003	0.046	C6orf150 TSS200
cg10718425	chr10	134754754	-0.003	0.046	C10orf93 Body
cg23076299	chr10	85954312	0.005	0.046	PCDH21 TSS1500
cg02381820	chr2	121493896	0.001	0.046	-
cg18041581	chr2	18741401	0.006	0.046	RDH14 Body
cg14278534	chr7	28967567	-0.006	0.046	-
cg16695389	chr11	72433396	0.008	0.046	ARAP1;ARAP1 5'UTR;1stExon;Body;1stExon;5'UTR
cg03038132	chr2	11051953	0.004	0.046	KCNF1 TSS200
cg27599958	chr6	53213028	0.006	0.046	ELOVL5 5'UTR
cg13682692	chr1	47903380	0.005	0.046	FOXD2;FOXD2 1stExon;5'UTR
cg22848150	chr8	57358165	0.004	0.046	PENK;PENK Body;Body
cg23005387	chr12	4382878	0.004	0.046	CCND2 TSS200
cg14519525	chr11	62414275	0.005	0.046	GANAB;GANA TSS200;TSS200
cg15582998	chr8	1364632	-0.002	0.046	-
cg11104443	chr15	45021117	0.004	0.046	-
cg12457035	chr5	180688144	0.007	0.046	TRIM52 TSS200
cg17222941	chr7	77648567	0.007	0.046	MAGI2 3'UTR
cg03734104	chr11	32817614	-0.006	0.046	CCDC73 TSS1500
cg04636841	chr7	63768139	0.004	0.046	-
cg11248715	chr1	63787928	0.004	0.046	FOXD3 TSS1500
cg12483860	chr5	150460615	0.004	0.046	TNIP1;TNIP1 5'UTR;1stExon
cg05207253	chr5	149829393	0.004	0.046	RPS14;RPS14;TSS200;TSS200;TSS200
cg02583151	chr14	61116211	0.008	0.046	SIX1 TSS200
cg08545574	chr1	51443457	0.011	0.046	-
cg02157667	chr16	85722621	0.012	0.046	GIN52 TSS200
cg20350269	chr16	23160019	0.007	0.046	USP31 1stExon
cg03586437	chr1	226070052	0.005	0.046	TMEM63A;TV 1stExon;5'UTR
cg03465782	chr14	74485822	0.003	0.046	ENTPD5;C14o 5'UTR;TSS1500
cg11379888	chr6	170102082	0.004	0.046	WDR27;C6orf 1stExon;TSS200;5'UTR
cg13174651	chr2	27485967	0.007	0.046	SLC30A3 TSS200
cg17549121	chr5	110559764	0.013	0.046	CAMK4 TSS1500
cg07298437	chr5	176074358	0.012	0.046	TSPAN17;TSP1 TSS200;TSS200;TSS200
cg15036616	chr1	15930123	0.005	0.046	-
cg09809567	chr12	104444136	0.008	0.046	GLT8D2 TSS1500
cg01410314	chr9	77641437	-0.003	0.046	C9orf41 Body
cg11844358	chr18	77211065	-0.004	0.046	NFATC1;NFAT Body;Body;Body;Body
cg02869963	chr11	85522435	0.003	0.046	SYTL2 TSS1500
cg03103770	chr19	1753464	0.008	0.046	ONECUT3 TSS200
cg08204129	chr3	145852537	-0.003	0.046	PLOD2;PLOD2 Body;Body
cg25014222	chr11	64072136	0.004	0.046	C11orf20;ESR1 3'UTR;TSS1500
cg18663498	chr6	27487068	0.016	0.046	-
cg16287766	chr6	34495124	0.004	0.046	PACSIN1 Body
cg14522873	chr20	21283801	0.007	0.046	XRN2 TSS200
cg11489290	chr5	130971122	0.006	0.046	RAPGEF6;RAP TSS200;TSS200;TSS200;TSS200;TSS200
cg13529912	chr6	53213159	0.004	0.046	ELOVL5 5'UTR
cg13029731	chr14	24037054	0.006	0.046	AP1G2;AP1G2 5'UTR;1stExon
cg16459412	chr13	21628825	-0.002	0.046	LATS2 5'UTR
cg01756288	chr3	36986532	0.009	0.046	TRANK1;TRAN 1stExon;5'UTR
cg19965948	chr4	79472807	0.007	0.046	ANXA3;ANXA3 5'UTR;1stExon
cg04881036	chr12	65179732	-0.003	0.046	-
cg12942155	chr3	35721284	-0.004	0.046	ARPP-21;ARPP 5'UTR;5'UTR;TSS1500;5'UTR
cg12494420	chr6	11093824	0.005	0.046	LOC221710 TSS1500
cg12679353	chr3	57583334	0.005	0.046	ARF4 TSS200
cg06971248	chr17	28618449	0.006	0.046	BLMH Body
cg20717228	chr15	56535304	0.011	0.046	RFK7 Body
cg07078532	chr17	78194205	0.011	0.046	SLC26A11;SLC 1stExon;5'UTR;1stExon;5'UTR;5'UTR;5'UTR;1stExon;1stExon;TSS200
cg24287438	chr18	904878	0.007	0.046	ADCYAP1;ADC TSS1500;TSS200
cg15769256	chr15	75746558	0.005	0.046	SIN3A 5'UTR
cg05841303	chr19	36359302	0.007	0.046	APLP1;APLP1 TSS200;TSS200
cg12204974	chr5	8839873	-0.007	0.046	-
cg13666293	chr4	468131	0.01	0.046	ZNF721;ABCA 5'UTR;TSS200
cg14916813	chr17	33895228	0.023	0.046	-
cg04203742	chr10	2371007	-0.013	0.046	-
cg23288653	chr1	155145780	0.003	0.046	TRIM46;KRTC; TSS1500;1stExon;5'UTR
cg14923435	chr2	120770279	0.005	0.046	EPB41L5 TSS1500
cg02112609	chr16	85589949	0.006	0.046	-
cg02654360	chr11	14665070	0.021	0.046	PSMA1;PDE3E 5'UTR;TSS200;1stExon

cg06678982	chr22	29168629	0.017	0.046	CCDC117	TSS200
cg10139470	chr18	60190164	0.024	0.046	ZCCHC2	TSS1500
cg04168939	chr14	105767399	0.006	0.046	BRF1	TSS200
cg13779567	chr1	233431268	0.006	0.046	PCNXL2;PCNX	5'UTR;1stExon
cg01023053	chr1	87797123	0.004	0.046	LMO4	5'UTR
cg05963712	chr12	49373746	0.003	0.046	WNT1	Body
cg14166392	chr4	160052847	-0.009	0.046	-	-
cg11791613	chr1	234614222	0.005	0.046	TARBP1	1stExon
cg01177928	chr1	244893571	0.005	0.046	-	-
cg16246590	chr20	62339243	0.006	0.046	ARFRP1;ZGPA	5'UTR;TSS200;5'UTR;1stExon;1stExon;TSS200;5'UTR
cg18236079	chr17	13505590	0.006	0.046	HS3ST3A1	TSS1500
cg20636254	chr11	14542164	0.022	0.046	PSMA1;PSMA	TSS200;Body;TSS200
cg15644938	chr1	16679154	0.007	0.046	FBXO42	TSS1500
cg24222377	chr18	55254128	0.005	0.046	FECH;FECH	TSS200;TSS200
cg05975410	chr5	43020352	0.006	0.046	-	-
cg11355601	chr22	39096475	0.008	0.046	JOSD1	TSS200
cg24005169	chr6	31146942	-0.02	0.046	PSORS1C3	TSS1500
cg11067412	chr2	128402294	-0.004	0.046	LIMS2;GPR17	Body;TSS1500;TSS1500;Body;Body;TSS1500;TSS1500;Body;Body
cg12274600	chr2	240010446	-0.003	0.046	HDAC4	Body
cg13877974	chr1	201708888	0.014	0.046	NAV1;NAV1	TSS200;Body
cg04988206	chr15	71407798	0.013	0.046	CT62;CT62	5'UTR;1stExon
cg21480646	chr15	80351954	0.005	0.046	ZFAND6	TSS200
cg12678191	chr6	31802415	0.005	0.046	C6orf48;SNOR	TSS1500;TSS1500;TSS1500
cg03417191	chr3	183542750	0.008	0.046	MAP6D1	Body
cg18574725	chr17	34900600	0.019	0.046	GGNBP2	TSS1500
cg26865879	chr8	124253763	0.008	0.046	C8orf76	TSS200
cg05882415	chr6	36165121	0.006	0.046	BRPF3	5'UTR
cg22813220	chr1	54519286	0.006	0.046	C1orf83;C1orf	1stExon;5'UTR;TSS200
cg23226852	chr1	51425652	0.009	0.046	FAF1;FAF1	1stExon;5'UTR
cg18688013	chr20	43513921	0.009	0.046	YWHAB;YWH	TSS1500;TSS1500
cg21810305	chr12	110778935	-0.004	0.046	ATP2A2;ATP2	Body;Body;Body
cg07817279	chr17	56085264	0.006	0.046	SFRS1;SFRS1	TSS1500;TSS1500
cg14474756	chr9	77567495	0.005	0.046	C9orf40	1stExon
cg03115649	chr1	179851535	0.005	0.046	TOR1AIP1;TO1	5'UTR;1stExon
cg08981532	chr16	2264875	0.005	0.046	PGP	TSS200
cg25776635	chr12	122231757	0.016	0.046	RHOF	TSS200
cg05884649	chr10	44143806	0.008	0.046	ZNF32;ZNF32	5'UTR;5'UTR
cg11894100	chr4	71705650	0.01	0.046	GRSF1;GRSF1	TSS200;TSS1500
cg26398261	chr3	19188463	0.012	0.046	-	-
cg15024130	chr2	232469809	0.008	0.046	-	-
cg02855078	chr16	188863	0.005	0.047	C16orf35;C16	TSS200;TSS1500
cg26627898	chr16	1832752	0.011	0.047	NUBP2;SPSB3	TSS200;TSS200
cg02058552	chr10	5454564	0.009	0.047	NET1;NET1	1stExon;5'UTR
cg0566828	chr4	146403874	0.008	0.047	SMAD1;SMAD	TSS200;5'UTR
cg23314283	chr13	53226751	0.004	0.047	SUGT1;SUGT1	TSS200;TSS200
cg02202980	chr3	119421868	0.005	0.047	C3orf15;C3orf	5'UTR;1stExon
cg02557406	chr3	159493225	0.017	0.047	LOC401097	TSS200
cg04449126	chr13	99852558	0.004	0.047	UBAC2;UBAC2	TSS200;TSS1500;TSS1500
cg09972364	chr22	19701871	0.008	0.047	sept-05	TSS200
cg04647516	chr9	97766650	0.002	0.047	C9orf3	Body
cg02634712	chr18	19750909	0.009	0.047	GATA6	5'UTR
cg16700920	chr10	133810060	-0.007	0.047	-	-
cg14568286	chr6	116600638	0.012	0.047	DSE;TSPYL1	TSS1500;1stExon
cg19169976	chr17	48071254	0.023	0.047	DLX3	Body
cg09516144	chr16	15982637	0.009	0.047	C16orf63	TSS200
cg26212877	chr17	45867330	0.003	0.047	-	-
cg20726948	chr5	130971239	0.008	0.047	RAPGEF6;RAP	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg09959355	chr17	81045495	-0.007	0.047	METRNL	Body
cg25568114	chr2	128158438	-0.003	0.047	-	-
cg07549998	chr6	150325970	0.007	0.047	RAET1K	Body
cg00576639	chr1	25756900	0.009	0.047	TMEM57	TSS1500
cg25190634	chr6	79576994	0.011	0.047	IRAK1BP1	TSS200
cg02957340	chr14	100070899	0.015	0.047	CCDC85C	TSS200
cg12677436	chr2	54785476	0.01	0.047	SPTBN1;SPTB1	TSS200;Body
cg09039647	chr5	133304495	0.013	0.047	C5orf15	TSS200
cg05133578	chr12	46663407	0.011	0.047	SLC38A1;SLC3	TSS200;TSS200
cg04065909	chr11	94964294	0.003	0.047	SES3	TSS200
cg17108007	chr11	47198570	0.005	0.047	ARFGAP2	TSS200
cg16625827	chr7	43656815	-0.004	0.047	STK17A	Body
cg00059309	chr17	78293397	-0.01	0.047	RNF213;RNF2	3'UTR;Body
cg06939061	chr1	211432106	0.004	0.047	RCOR3;RCOR3	TSS1500;TSS1500;TSS1500;TSS1500
cg23851860	chr5	157002805	0.007	0.047	ADAM19	TSS200
cg08795948	chr3	128337044	0.004	0.047	-	-
cg19370322	chr1	39456833	0.004	0.047	AKIRIN1;AKIRI	TSS200;TSS200
cg20080006	chr3	149376040	0.004	0.047	WWTR1;WW1	5'UTR;TSS200;TSS1500
cg23889440	chr18	48086416	0.013	0.047	MAPK4	TSS200
cg06185817	chr17	74379499	0.012	0.047	SPHK1;SPHK1	TSS1500;TSS1500;TSS1500
cg15506281	chr19	11283688	-0.007	0.047	KANK2;KANK2	Body;Body
cg15680624	chr2	219858132	0.005	0.047	CRYBA2;CRYB	TSS200;TSS200;TSS200
cg05508585	chr10	118900001	0.007	0.047	-	-
cg16241648	chr7	98923114	0.004	0.047	ARPC1A	TSS1500
cg26976732	chr16	216100	0.006	0.047	HBM	Body
cg11276506	chr19	14186130	0.03	0.047	-	-
cg00412749	chr6	28603173	0.011	0.047	-	-
cg22602831	chr1	94313745	0.012	0.047	-	-
cg25798982	chr7	129251645	0.005	0.047	NRF1;NRF1	5'UTR;1stExon
cg19359218	chr6	30181936	0.008	0.047	TRIM26	TSS1500
cg25281183	chr12	7013887	0.005	0.047	LRR23;LRR2	TSS200;TSS200;TSS200
cg00933696	chr16	11327141	0.004	0.047	-	-
cg20400771	chr6	99292790	0.004	0.047	-	-
cg17612948	chr5	110427863	0.026	0.047	WDR36	TSS200
cg14193565	chr10	121485087	0.008	0.047	INPP5F;INPP5	TSS1500;TSS1500
cg12602112	chr13	78493294	0.007	0.047	EDNRB;EDNR	TSS1500;5'UTR;TSS1500
cg03152288	chr2	177042942	0.011	0.047	-	-
cg26870584	chr6	75914046	0.01	0.047	COL12A1;COL	5'UTR;5'UTR
cg03988527	chr2	102090979	0.007	0.047	RF8	5'UTR
cg04678230	chr6	33283189	-0.008	0.047	ZBTB22;TAPB1	Body;TSS1500;TSS1500;TSS1500;Body
cg10993769	chr22	39928308	0.008	0.047	RPS19BP1	Body
cg17168242	chr1	149982704	0.015	0.047	OTUD7B	TSS200
cg08990198	chr1	202318195	0.012	0.047	PPP1R12B;PP1	1stExon;1stExon;1stExon;1stExon
cg11604142	chr10	101989359	0.01	0.047	CHUK	TSS200
cg23715830	chr3	13974614	0.01	0.047	-	-
cg25989668	chr14	92506437	0.007	0.047	TRIP11;TRIP1	5'UTR;1stExon
cg16528022	chr14	65438707	0.008	0.047	RAB15	1stExon
cg12220753	chr1	53393030	0.007	0.047	SCP2;SCP2	5'UTR;1stExon;1stExon;5'UTR

cg25765325	chr7	25164994	0.008	0.047	CYCS	TSS200
cg01678062	chr3	122283327	0.004	0.047	PARP9;PARP9	1stExon;TSS200;1stExon;5'UTR;TSS200;TSS200;5'UTR;1stExon;TSS200
cg03131272	chr1	249200307	0.006	0.047	PGBD2;PGBD2	TSS200;TSS200
cg08735298	chr1	38273312	0.002	0.047	C1orf122;YRD	TSS200;Body;TSS200
cg09712216	chr3	49977428	0.005	0.047	RBM6;RBM6	TSS200;TSS200
cg15925792	chr21	42798131	0.006	0.047	MX1;MX1;MX	1stExon;5'UTR;5'UTR
cg25486957	chr4	152246857	0.016	0.047	-	-
cg03145963	chr11	104035151	0.003	0.047	PDGFD;PDGFD	TSS200;TSS200
cg03631864	chr7	155260630	0.006	0.047	-	-
cg03640969	chr10	77234698	-0.002	0.047	-	-
cg24491122	chr3	124774370	0.003	0.047	HEG1	Body
cg12449682	chr5	175111543	-0.006	0.047	HRH2;HRH2;H	Body;3'UTR;1stExon
cg19633487	chr1	2522370	-0.006	0.047	MME11;C1orf	3'UTR;3'UTR
cg01645729	chr2	131582240	0.012	0.047	-	-
cg17036949	chr4	2937134	0.038	0.047	MFS10;C4orf	TSS1500;TSS200;TSS1500
cg15746719	chr9	90113813	0.006	0.047	DAPK1	5'UTR
cg11948442	chr19	11750361	0.006	0.047	-	-
cg22043361	chr14	64970199	0.01	0.047	ZBTB1;ZBTB2	TSS1500;5'UTR;TSS1500
cg12448989	chr13	77459329	0.006	0.047	KCTD12	1stExon
cg12927153	chr9	125133318	0.005	0.047	PTGS1;PTGS1	5'UTR;5'UTR;1stExon;1stExon
cg01728554	chr5	155107661	0.008	0.047	-	-
cg27129656	chr14	101840437	-0.01	0.047	-	-
cg03460012	chr16	1722332	-0.011	0.047	CRAMP1L	Body
cg07443485	chr16	88878469	0.006	0.047	APRT;APRT	TSS200;TSS200
cg16632132	chr16	1122873	0.038	0.047	LOC146336	Body
cg23653391	chr6	30614734	0.006	0.047	C6orf136;C6orf	TSS200;TSS200;TSS200
cg00954566	chr10	102106405	0.004	0.047	SCD	TSS1500
cg06476344	chr2	26396290	0.005	0.047	FAM59B	Body
cg24178533	chr9	108006776	0.007	0.047	SLC44A1	TSS200
cg16513905	chr5	137879008	0.005	0.047	ETF1	TSS200
cg09596025	chr16	84090260	-0.004	0.047	MBTPS1	Body
cg26300787	chr1	225844533	-0.004	0.047	-	-
cg01540406	chr10	17270601	0.004	0.047	VIM	5'UTR
cg05977517	chr16	89883359	0.009	0.047	FANCA;FANCA	TSS1500;TSS1500
cg21608192	chr16	17563827	0.002	0.047	XYLT1	Body
cg04980504	chr12	111021265	0.006	0.047	PPTC7	TSS1500
cg26425669	chr2	136875923	0.008	0.047	CXCR4	TSS200
cg11461836	chr5	176739316	0.004	0.047	MXD3;MXD3	TSS200;TSS200
cg14218053	chr6	32049376	-0.012	0.047	TNXB	Body
cg02153299	chr16	30968484	0.012	0.047	SETD1A	TSS200
cg11687406	chr20	10199434	0.005	0.047	SNAP25;SNAP	TSS200;TSS200
cg13504346	chr7	2182182	-0.002	0.047	MAD1L1;MAD	Body;Body;Body
cg07161239	chr1	155179117	0.005	0.047	MTX1;THBS3;	1stExon;TSS1500;1stExon
cg15465990	chr1	204394661	-0.007	0.047	PIK3C2B	Body
cg24364084	chr3	113415646	0.008	0.047	KIAA2018	TSS200
cg04524552	chr19	4670575	0.02	0.047	C19orf10	TSS200
cg08521270	chr2	202316462	0.011	0.047	TRAK2;STRAD	TSS200;5'UTR;1stExon
cg13803048	chr20	10414896	0.011	0.047	C20orf94;MK	TSS1500;TSS200
cg08248955	chr7	98972160	0.006	0.047	ARPC1B	TSS200
cg10883375	chr14	74210186	0.013	0.047	C14orf43;C14;	5'UTR;5'UTR
cg11932564	chr22	42322146	0.005	0.047	TNFRSF13C	Body
cg13399164	chr4	164088166	0.007	0.047	NAF1;NAF1	TSS200;TSS200
cg19671648	chr8	79027162	-0.001	0.047	-	-
cg02459447	chr17	40830257	0.008	0.047	PLEKHH3	TSS1500
cg07789552	chr1	36851195	0.01	0.047	STK40	5'UTR
cg02033788	chr1	226310108	0.004	0.047	-	-
cg17718210	chr15	81293605	0.007	0.047	MESDC1;MESI	1stExon;5'UTR
cg23257569	chr1	94703343	0.006	0.047	ARHGAP29	TSS200
cg12513284	chr12	57022656	0.004	0.047	BAZ2A	Body
cg15846791	chr22	21984385	0.004	0.047	YDJC	TSS200
cg26770381	chr7	77428334	0.003	0.047	PHTF2;PHTF2;	5'UTR;5'UTR;TSS1500
cg21112148	chr19	9929230	0.007	0.047	FBXL12	Body
cg08825929	chr3	193776240	0.003	0.047	-	-
cg17735131	chr7	86849176	0.028	0.047	C7orf23	TSS200
cg08084693	chr17	42148032	0.015	0.047	G6PC3;G6PC3	TSS200;TSS200;TSS200
cg05852231	chr15	35087637	0.004	0.047	ACTC1	5'UTR
cg24512935	chr7	5938293	0.01	0.047	C7orf28A	TSS200
cg01879488	chr11	35160498	0.017	0.047	CD44;CD44;C1	5'UTR;1stExon;1stExon;5'UTR;1stExon;5'UTR;1stExon;1stExon;5'UTR
cg06470787	chr17	80963031	-0.006	0.047	B3GNTL1	Body
cg09548162	chr12	49628520	0.005	0.047	-	-
cg07052251	chr21	47392592	0.007	0.047	-	-
cg02633148	chr4	46391476	0.008	0.047	GABRA2;GABF	TSS200;5'UTR
cg25884854	chr12	48358104	0.006	0.047	TMEM106C;Tl	Body;Body;Body;Body
cg03448396	chr3	38495949	0.012	0.047	LOC10012864	Body;Body
cg06612122	chr16	59788951	-0.014	0.047	LOC644649	Body
cg24294399	chr6	31508923	0.004	0.047	SNORD84;BAT	Body;5'UTR;5'UTR
cg22806907	chr17	40826212	0.005	0.047	PLEKHH3	Body
cg22476897	chr7	30518609	0.009	0.047	NOD1	TSS1500
cg05806375	chr5	96144043	0.015	0.047	ERAP1;ERAP1	TSS200;TSS200
cg07797221	chr5	175815620	0.007	0.047	HIGD2A;NOP1	TSS200;TSS200
cg22728639	chr1	10532618	0.004	0.047	DFFA;DFFA	TSS200;TSS200
cg19655704	chr2	178295152	-0.01	0.047	AGPS	Body
cg13054523	chr17	81055722	-0.011	0.047	-	-
cg26764019	chr19	2462518	0.041	0.047	-	-
cg23707493	chr10	93557971	0.004	0.047	TNKS2	TSS200
cg23602974	chr7	35293884	0.007	0.047	TBX20;TBX20	TSS200;TSS200
cg17944603	chr14	75469881	0.003	0.047	EIF2B2	Body
cg03205495	chr19	14640249	0.015	0.047	TECR;MIR639	TSS200;TSS200
cg14782471	chr19	48774640	0.006	0.047	ZNF114	TSS200
cg05964687	chr20	2082547	0.009	0.047	STK35	1stExon
cg17446719	chr1	16302584	0.004	0.047	ZBTB17;ZBTB1	1stExon;5'UTR
cg00973286	chr12	6451130	0.009	0.047	TNFRSF1A;TNF	5'UTR;1stExon
cg12883204	chr12	75723847	0.005	0.047	CAPS2	TSS200
cg22348001	chr11	64360997	-0.024	0.047	SLC22A12;SLC	Body;5'UTR
cg08965464	chr2	222436985	0.006	0.047	EPHA4;EPHA4	1stExon;5'UTR
cg15700020	chr1	15944322	0.007	0.047	DDI2	Body
cg27195914	chr16	66907460	0.007	0.047	-	-
cg17233202	chr15	82338518	0.013	0.047	MEX3B	TSS200
cg12073949	chr17	78519082	0.003	0.047	RPTOR;RPTOR	1stExon;5'UTR;1stExon;5'UTR
cg21192313	chr9	124062303	0.007	0.047	GSN;GSN;GSN	5'UTR;5'UTR;5'UTR;5'UTR;5'UTR;Body;5'UTR;5'UTR
cg09682311	chr7	23053758	0.005	0.047	FAM126A;FAH	1stExon;5'UTR
cg03063639	chr15	83776422	0.014	0.047	TM6SF1;TM6S	5'UTR;1stExon;1stExon;5'UTR
cg06639332	chr13	37248305	0.005	0.047	C13orf36;C13;	5'UTR;1stExon
cg08653904	chr1	8497643	-0.003	0.047	RERE;RERE	Body;Body
cg09625276	chr4	39529229	0.034	0.047	UGDH	TSS200

cg22324696	chr7	5253987 -0.004	0.048	WIPI2;WIPI2;1stExon;Body;Body;5'UTR;Body;Body
cg26583055	chr11	124670419 0.005	0.048	C11orf61 TSS200
cg05902624	chr6	30710949 0.009	0.048	FLOT1 TSS1500
cg03060228	chr17	79056061 -0.004	0.048	BAIAP2;BAIAP Body;Body;Body;Body
cg25295218	chr4	89080179 0.005	0.048	ABC2 TSS200
cg15568617	chr7	30430591 -0.006	0.048	-
cg19670885	chr4	3345495 -0.006	0.048	RGS12;RGS12 Body;Body
cg00135852	chr17	46703646 0.006	0.048	HOXB9;HOXB8;1stExon;5'UTR
cg00568027	chr1	229644024 0.008	0.048	NUP133;NUP131stExon;5'UTR
cg22669260	chr4	150999949 0.007	0.048	DCLK2;DCLK2 TSS200;TSS200
cg27046659	chr10	75634352 0.014	0.048	CAMK2G;CAM TSS200;TSS200;TSS200;TSS200;TSS200
cg11290225	chr8	145692591 0.012	0.048	KIFC2 Body
cg14228332	chr4	119757509 0.012	0.048	SEC24D TSS200
cg18338319	chr2	20851152 0.008	0.048	HS1BP3 TSS1500
cg22692158	chr12	11463844 -0.002	0.048	PRB4 TSS1500
cg12967914	chr6	30043106 0.012	0.048	RNF39;RNF39 1stExon;1stExon
cg04111344	chr2	131095784 -0.005	0.048	-
cg25463831	chr14	58766031 0.004	0.048	FLJ31306;FLJ3 TSS1500;TSS1500;5'UTR;5'UTR;5'UTR
cg13579957	chr2	62132778 0.005	0.048	COMMD1 TSS200
cg20420007	chr1	173399241 0.013	0.048	-
cg15795186	chr4	58291839 -0.006	0.048	-
cg04531794	chr10	99609860 0.009	0.048	GOLGA7B TSS200
cg06197774	chr12	77718803 0.029	0.048	-
cg13984623	chr9	129276600 0.007	0.048	-
cg02379764	chr16	3551028 0.003	0.048	CLUAP1;CLUA 5'UTR;1stExon
cg14128098	chr4	8160566 0.004	0.048	ABLIM2;ABLIN TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg08571049	chr19	2236450 0.019	0.048	PLEKHJ1;SF3A TSS200;TSS1500
cg27075724	chr21	18985387 0.005	0.048	BTG3;BTG3 TSS200;TSS200
cg02916409	chr16	2510063 0.044	0.048	C16orf59 TSS200
cg24407065	chr1	169335802 -0.007	0.048	BLZF1;NME7;1 TSS1500;Body;5'UTR
cg01883591	chr17	57970985 0.007	0.048	TUBD1;RPS6K1 TSS1500;Body
cg07249274	chr5	112629565 0.008	0.048	MCC;MCC Body;Body
cg15679651	chr19	39108529 0.005	0.048	MAP4K1;MAP 1stExon;1stExon;TSS1500
cg26773567	chr10	82173535 -0.004	0.048	C10orf58;C10;TSS200;5'UTR
cg03909097	chr20	30555528 0.007	0.048	KKR7 TSS1500
cg03058556	chr6	33421509 0.005	0.048	ZBTB9 TSS1500
cg21605859	chr18	48723183 0.006	0.048	MEX3C 1stExon
cg02737418	chr1	147384040 -0.006	0.048	-
cg25642048	chr8	74207199 0.008	0.048	RPL7;RDH10 TSS1500;TSS200
cg12571005	chr2	202316370 0.003	0.048	STRADB;TRAK TSS200;TSS200
cg08199273	chr10	131934535 0.02	0.048	GLRX3 TSS200
cg15085223	chr12	53689339 0.003	0.048	PFDM5;PFDM5 5'UTR;1stExon;1stExon;5'UTR
cg21763021	chr20	54967671 0.005	0.048	AURKA;AURK; TSS1500;TSS1500;1stExon;5'UTR;5'UTR;TSS1500;TSS1500;TSS1500;TSS1500;TSS200
cg13796392	chr9	102582694 0.011	0.048	NR4A3;NR4A3 TSS1500;TSS1500;TSS1500
cg00313401	chr15	74219948 0.007	0.048	LOXL1 1stExon
cg12300724	chr8	72460135 0.012	0.048	-
cg01477255	chr2	177005665 0.008	0.048	-
cg19698923	chr1	241802961 0.025	0.048	OPN3 Body
cg07568716	chr10	115613993 0.008	0.048	NHLRC2;DCLR TSS1500;TSS200
cg25145670	chr17	46655164 0.036	0.048	HOBX4 Body
cg27576683	chr10	129948776 0.01	0.048	-
cg24030675	chr11	108093402 0.004	0.048	ATM;NPAT TSS200;TSS200
cg18887107	chr7	64126456 0.015	0.048	ZNF107;ZNF1 TSS200;TSS200
cg02620157	chr17	40829241 0.008	0.048	PLEKHH3 TSS200
cg26135967	chr3	33839866 0.005	0.048	PDCD6IP;PDCI TSS200;TSS200;TSS200
cg14093715	chr9	126776180 0.006	0.048	LHX2 Body
cg13678939	chr11	62414063 0.006	0.048	GANAB;GANA 1stExon;1stExon
cg09450063	chr13	108922504 0.033	0.048	TNFSF13B;TNF 1stExon;1stExon
cg19464106	chr6	31632821 0.017	0.048	BAT4;BAT4;CS 5'UTR;1stExon;TSS1500
cg06790825	chr12	77157634 0.019	0.048	ZDHHC17 TSS1500
cg01482184	chr7	150780872 0.019	0.048	TMUB1;TMUB TSS1500;TSS1500
cg04985611	chr19	3606501 0.014	0.048	TBXA2R;TBXA: 5'UTR;5'UTR
cg25373100	chr5	76506484 0.008	0.048	PDE8B;PDE8B TSS1500;TSS1500;TSS1500;TSS1500
cg13953813	chr8	76319838 0.005	0.048	-
cg01411894	chr6	86303454 0.014	0.048	SNX14;SNX14;5'UTR;1stExon;5'UTR;1stExon
cg26567801	chr17	47438911 0.004	0.048	ZNF652;ZNF6: 5'UTR;5'UTR
cg00230869	chr2	70418140 0.006	0.048	C2orf42;C2orf 1stExon;5'UTR
cg14197881	chr11	67044849 0.008	0.048	ADRBK1 Body
cg02940042	chr14	96000874 0.003	0.048	GLRX5;SNHG1 TSS1500;Body;TSS1500;Body
cg10146514	chr6	168426308 -0.018	0.048	KIF25;KIF25 5'UTR;5'UTR
cg01688026	chr15	83735344 0.025	0.048	BTBD1;BTBD1 Body;Body
cg10101263	chr11	130786633 0.005	0.048	SNX19 TSS1500
cg11046315	chr4	41751886 0.01	0.048	PHOX2B TSS1500
cg16153168	chr5	68114337 -0.01	0.048	-
cg05517542	chr7	140772810 0.009	0.048	-
cg19275832	chr1	118354748 -0.005	0.048	-
cg02064740	chr1	151146902 -0.004	0.048	TMOD4 Body
cg02505681	chr19	39615285 -0.004	0.048	PAK4;PAK4;PA TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg26456997	chr19	6482169 0.007	0.049	DENND1C TSS1500
cg01507046	chr17	48637818 0.002	0.049	CACNA1G;CAC TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg05614267	chr16	69373129 0.016	0.049	NIP7;COG8 TSS1500;1stExon
cg00717482	chr1	112531938 0.005	0.049	KCND3;KCND: TSS200;TSS200
cg06867377	chr12	113917395 0.009	0.049	-
cg22432269	chr15	22892697 0.006	0.049	CYFIP1;CYFIP1 5'UTR;1stExon
cg09463466	chr15	77925892 0.009	0.049	LINGO1 TSS1500
cg15184796	chr6	44191274 0.007	0.049	SLC29A1;SLC2 TSS200;5'UTR;5'UTR;TSS200;TSS200
cg26284874	chr19	45946785 0.006	0.049	-
cg25590492	chr3	147129952 0.002	0.049	ZIC1 Body
cg26047940	chr7	1446265 -0.01	0.049	-
cg07811113	chr19	1408140 0.009	0.049	DAZAP1;DAZA Body;Body
cg02732804	chr16	28075269 0.01	0.049	GSGL TSS1500
cg08661227	chr1	159895006 0.006	0.049	TAGLN2 5'UTR
cg00155609	chr19	12912527 0.009	0.049	PRDX2;PRDX2 5'UTR;5'UTR
cg25186211	chr9	124921565 0.009	0.049	MORN5;NDUF TSS1500;Body
cg19056593	chr18	29078478 0.002	0.049	DSG2 Body
cg13352455	chr3	53230110 0.005	0.049	-
cg00735923	chr7	117119963 0.009	0.049	CFTR TSS200
cg27046077	chr5	14459323 -0.006	0.049	TRIO Body
cg06535993	chr10	26727261 0.002	0.049	APBB1P TSS200
cg15531930	chr7	108097606 0.042	0.049	NRCAM;NRC A TSS1500;TSS1500
cg02935154	chr7	12443704 0.002	0.049	VWDE;VWDE 5'UTR;1stExon
cg13784855	chr8	128806938 0.008	0.049	MIR1204;PVT: TSS1500;Body
cg09331127	chr22	41487734 0.006	0.049	EP300;MIR12; TSS1500;TSS1500
cg07010552	chr17	7358735 0.034	0.049	CHRNB1 Body
cg07993642	chr6	126111480 0.009	0.049	NCOA7;NCOA TSS1500;TSS1500

cg22081558	chr11	34380598	0.006	0.049	-	-
cg11949866	chr1	10754891	0.024	0.049	CAS21;CAS21	5'UTR;5'UTR
cg02576092	chr1	27668556	0.011	0.049	SYTL1;SYTL1	1stExon;5'UTR
cg25754862	chr3	50336875	0.008	0.049	HYAL3;NAT6;+	5'UTR;TSS200;1stExon
cg25248155	chr6	167836221	-0.028	0.049	-	-
cg04125625	chr1	29564120	0.01	0.049	PTPRU;PTPRU	Body;Body;Body
cg25537651	chr15	22945189	-0.004	0.049	CYFIP1	Body
cg06889484	chr19	18304021	0.005	0.049	MPV17L2	TSS200
cg15392351	chr1	40563091	0.012	0.049	PPT1;PPT1;PP	1stExon;1stExon;5'UTR;5'UTR
cg22934970	chr17	1957698	0.008	0.049	HIC1	TSS1500
cg25751266	chr3	38495385	0.009	0.049	LOC10012864	Body;TSS1500
cg08635130	chr1	33430450	0.005	0.049	RNF19B;RNF1	TSS200;TSS200
cg07955356	chr19	12992479	0.003	0.049	DNASE2	TSS200
cg03983811	chr10	99400441	0.005	0.049	PI4K2A	TSS200
cg27243409	chr3	57261974	0.013	0.049	APPL1	Body
cg14745529	chr7	116594207	0.049	0.049	ST7OT1;ST7;S	Body;Body;Body;Body
cg18266620	chr1	110882148	0.004	0.049	RBM15	1stExon
cg26088104	chr5	43515152	0.005	0.049	C5orf34;C5orf	1stExon;5'UTR
cg26440361	chr12	122064389	0.007	0.049	ORAI1	TSS200
cg10695831	chr1	98519324	0.015	0.049	-	-
cg25750451	chr12	124901068	-0.004	0.049	NCOR2;NCOR	Body;Body
cg20117778	chr1	28969554	0.005	0.049	TAF12;TAF12;	1stExon;5'UTR;1stExon;5'UTR
cg15906794	chr17	7197963	0.024	0.049	YBX2	TSS200
cg00058771	chr10	103347979	0.005	0.049	POLL;RP11-52	TSS200;TSS200
cg23496331	chr5	149512405	-0.017	0.049	PDGFRB	Body
cg17176423	chr15	85278581	0.009	0.049	-	-
cg08121025	chr14	54976315	0.002	0.049	CGRRF1	TSS1500
cg00147009	chr12	75905546	0.006	0.049	KRR1	TSS200
cg04801003	chr2	69240754	0.008	0.049	ANTXR1;ANTX	1stExon;1stExon;1stExon
cg09129976	chr17	39165006	-0.005	0.049	KRTAP3-1;KRT	1stExon;3'UTR
cg04369958	chr19	39935932	0.005	0.049	SUPT5H;SUPT	TSS1500;TSS1500;TSS1500;TSS1500
cg20414783	chr12	66135018	0.008	0.049	-	-
cg22345647	chr11	68609526	0.03	0.049	CPT1A;CPT1A	TSS200;TSS200
cg02838561	chr19	1905739	0.005	0.049	ADAT3;SCAM	5'UTR;5'UTR
cg06147822	chr20	57466905	0.005	0.049	GNAS;GNAS;G	3'UTR;1stExon;1stExon;1stExon;Body;3'UTR;Body;1stExon
cg00023154	chr1	44872463	0.003	0.049	RNF220	5'UTR
cg27405321	chr20	34359917	0.01	0.049	PHF20	TSS200
cg14980983	chr20	61051039	0.006	0.049	GATA5	TSS200
cg10116794	chr16	4588889	0.005	0.049	C16orf5	TSS200
cg08571859	chr5	112073350	0.003	0.049	APC;APC;APC	TSS1500;5'UTR;TSS1500
cg17189435	chr8	141467699	0.017	0.049	TRAPP9;TRAI	5'UTR;Body
cg01756841	chr1	176176579	0.01	0.049	RFWD2;RFWD	TSS1500;TSS1500
cg15658824	chr8	22423026	0.007	0.049	SORBS3;SORB	TSS200;Body
cg20680674	chr10	129809770	0.011	0.049	PTPRE	5'UTR
cg16110940	chr22	21400158	0.011	0.049	LOC400891	TSS200
cg07865600	chr12	107487629	0.007	0.049	CRY1	TSS200
cg00347247	chr12	122064376	0.005	0.049	ORAI1	TSS200
cg20093577	chr11	65819742	0.006	0.049	SF3B2	TSS200
cg25466974	chr1	211752620	0.005	0.049	SLC30A1	TSS1500
cg27020941	chr19	10679777	0.005	0.049	CDKN2D;CDK	TSS200;TSS200
cg00790098	chr2	223167400	0.017	0.049	CCDC140	5'UTR
cg24464927	chr8	42996206	0.011	0.049	HGSNAT	Body
cg02472348	chr12	22487781	0.018	0.049	ST8SIA1	TSS200
cg13696566	chr3	119013055	0.003	0.049	CDGAP	TSS200
cg18930143	chr12	8185050	0.043	0.049	FOXJ2	TSS1500
cg11436430	chr6	41514104	0.006	0.049	FOXP4;FOXP4	TSS200;TSS200;TSS200
cg03276399	chr7	99870040	0.012	0.049	GATS;GATS;G	TSS200;TSS200;TSS200;TSS200
cg12710899	chr14	57261702	0.011	0.049	-	-
cg15901216	chr14	90798356	0.006	0.049	C14orf102;C1	TSS200;TSS200
cg16616259	chr22	41032808	0.007	0.049	MKL1	TSS200
cg06657462	chr10	94608040	0.006	0.049	EXOC6;EXOC6	Body;TSS200
cg16626884	chr2	71693389	0.017	0.049	DYSF;DYSF;DY	TSS1500;TSS1500;TSS1500;Body;Body;Body;Body;TSS1500;TSS1500;Body;TSS1500;Body;TSS1500;Body
cg25809215	chr3	16306823	0.006	0.049	OXNAD1;DPH	1stExon;TSS1500;TSS1500;5'UTR
cg25847771	chr15	64752581	0.006	0.049	-	-
cg06461811	chr16	2097673	0.007	0.049	TSC2;NTHL1;T	TSS1500;Body;TSS1500;TSS1500
cg14287235	chr14	24804339	0.003	0.049	ADCY4	TSS1500
cg16003040	chr1	26496203	0.006	0.049	ZNF593	TSS200
cg12509435	chr12	94853886	0.006	0.049	CCDC41;CCDC	TSS200;TSS200;Body
cg00551143	chr7	28998860	-0.005	0.049	TRIL	TSS1500
cg18875012	chr3	172165517	0.019	0.049	GHSR;GHSR	1stExon;1stExon
cg07197522	chr12	107349153	0.003	0.049	C12orf23	TSS1500
cg01771850	chr17	80847137	-0.005	0.049	TBCD	Body
cg26692097	chr16	53738201	0.019	0.05	FTO;RPGRIPI	Body;TSS1500;TSS1500
cg23518532	chr11	128325015	-0.01	0.05	-	-
cg16681130	chr13	100741161	0.005	0.05	PCCA;PCCA	TSS200;TSS200
cg13371976	chr1	203457150	0.002	0.05	PRELP;PRELP	3'UTR;3'UTR
cg21221948	chr22	38004421	0.003	0.05	GGA1;GGA1;C	TSS200;TSS200;TSS200
cg17823751	chr3	137487081	0.008	0.05	-	-
cg19462847	chr11	6633911	0.019	0.05	TAF10	TSS1500
cg16535180	chr22	20008367	0.006	0.05	C22orf25	TSS1500
cg15558759	chr11	118478939	0.003	0.05	PHLDB1;PHLD	5'UTR;5'UTR;5'UTR
cg19865182	chr7	39663054	0.004	0.05	RALA	TSS200
cg18305333	chr11	62439274	0.008	0.05	C11orf83;C11	1stExon;TSS200
cg27480377	chr3	197518634	0.015	0.05	LRCH3	Body
cg16028793	chr1	212004275	0.008	0.05	LPGAT1	TSS200
cg22488583	chr7	92463767	0.006	0.05	CDK6;CDK6	5'UTR;TSS1500
cg24822446	chr6	37788018	0.004	0.05	ZFAND3	Body
cg12735820	chr3	127316985	0.007	0.05	MCM2	TSS1500
cg03511402	chr16	30583225	0.003	0.05	ZNF688;ZNF6	5'UTR;Body;1stExon
cg26341805	chr11	130184822	0.016	0.05	ZBTB44	TSS1500
cg00530939	chr1	51425360	0.012	0.05	FAF1	Body
cg26003813	chr16	23689802	0.006	0.05	PLK1	TSS1500
cg15174463	chr3	160118190	0.015	0.05	SMC4;SMC4;H	TSS200;5'UTR;TSS1500
cg18111139	chr2	223171052	0.007	0.05	-	-
cg23378453	chr17	7307424	0.004	0.05	C17orf61	TSS200
cg10501036	chr14	103058097	0.025	0.05	RCOR1	TSS1500
cg25736645	chr19	47734805	0.007	0.05	BBC3;BBC3;B	E TSS1500;Body;Body;Body
cg03438520	chr13	77600571	0.01	0.05	FBXL3	5'UTR
cg17225222	chr12	48577720	0.006	0.05	C12orf68;C12	1stExon;5'UTR
cg10176137	chr5	115912188	0.007	0.05	-	-
cg12536502	chr19	46142673	0.009	0.05	MIR330;EML2	TSS1500;TSS200
cg10661629	chr19	2900748	0.007	0.05	ZNF57	TSS200
cg24755020	chr22	41253165	0.004	0.05	ST13;XPNPEP	TSS1500;1stExon;5'UTR
cg25539392	chr20	34043435	0.003	0.05	CEP250	5'UTR
cg12391667	chr11	101785507	0.009	0.05	KIAA1377;AN	TSS1500;5'UTR

cg00038239	chr17	42090466 -0.003	0.05	TMEM101	Body
cg20615720	chr19	36139233 0.01	0.05	COX6B1;COX6	1stExon;5'UTR
cg13604337	chr12	54321653 0.006	0.05	-	-
cg16055106	chr5	108478303 -0.037	0.05	FER	Body
cg13561157	chr9	139922545 0.012	0.05	C9orf139;ABC	5'UTR;1stExon;Body
cg23154002	chr22	31741741 0.004	0.05	PATZ1;PATZ1;	1stExon;1stExon;1stExon;5'UTR;1stExon;5'UTR;5'UTR;5'UTR
cg03146993	chr17	35297146 0.006	0.05	LHX1	Body
cg15573879	chr1	36851774 0.009	0.05	STK40	TSS1500
cg08144042	chr22	50602230 -0.008	0.05	-	-
cg11836369	chr1	160254759 0.015	0.05	PEX19;PEX19	5'UTR;Body
cg18530251	chr8	22409574 0.014	0.05	SORBS3	5'UTR
cg24044351	chr5	108084818 0.006	0.05	FER	5'UTR
cg08393828	chr14	102228221 0.006	0.05	PPP2R5C;PPP2	1stExon;1stExon;5'UTR;5'UTR
cg10343442	chr3	100428642 0.011	0.05	TFG;TFG	5'UTR;5'UTR
cg25395108	chr6	167412704 0.006	0.05	FGFR1OP;FGF1	TSS200;TSS200
cg02294280	chr16	1350999 0.009	0.05	-	-
cg02533235	chr10	127512031 0.007	0.05	BCCIP;UROS;B	TSS200;TSS200;TSS200;TSS200
cg14911472	chr6	131949010 0.003	0.05	MED23;MED2	Body;Body
cg03764259	chr7	127176905 0.011	0.05	-	-
cg26483307	chr16	85855193 0.006	0.05	-	-
cg04847275	chr14	95693828 -0.006	0.05	CLMN	Body
cg09866743	chr3	35706038 0.042	0.05	ARPP-21	5'UTR
cg05879505	chr17	1926210 0.005	0.05	RTN4RL1	Body
cg07841877	chr1	182359858 0.011	0.05	GLUL;GLUL;GL	5'UTR;5'UTR
cg17283899	chr5	10564369 0.005	0.05	ANKRD38	TSS200
cg13900559	chr11	18417832 0.004	0.05	LDHA;LDHA;L1	5'UTR;5'UTR;Body;5'UTR;5'UTR;1stExon;5'UTR
cg15984822	chr10	61665988 0.008	0.05	CCDC6	1stExon
cg25805709	chr3	44596770 0.004	0.05	ZNF167;ZNF16	1stExon;1stExon;5'UTR;5'UTR
cg15032314	chr19	50096610 0.009	0.05	PRR12	Body
cg19345244	chr12	5602393 -0.006	0.05	NTF3;NTF3	Body;TSS1500
cg09071504	chr11	10952854 0.003	0.05	-	-
cg06646488	chr20	61569335 0.005	0.05	C20orf11;D1D1	TSS200;TSS200;TSS200;TSS200
cg17652206	chr4	120133663 0.005	0.05	USP53	TSS200
cg17304433	chr5	172261515 0.01	0.05	ERGIC1	Body
cg10035988	chr14	74079767 0.006	0.05	-	-
cg21981214	chr20	33543264 0.009	0.05	GSS	5'UTR
cg23381664	chr6	33281712 0.024	0.05	TAPBP;TAPBP;	Body;Body;Body
cg02257674	chr2	219867545 0.016	0.05	MIR375	TSS1500
cg08460226	chr3	186501131 0.006	0.05	SNORD2;EIF4;	TSS1500;TSS1500
cg01005349	chr5	98108751 0.003	0.05	RGMB	Body
cg17575087	chr5	154237720 0.009	0.05	CNOT8	TSS1500
cg19679281	chr2	58468512 0.01	0.05	FANCL;FANCL;	5'UTR;1stExon;5'UTR;1stExon
cg02578162	chr16	3927429 -0.006	0.05	CREBBP;CREB1	Body;Body
cg23038018	chr14	69658772 0.009	0.05	-	-
cg18455978	chr19	39421261 0.008	0.05	MRPS12;SARS	TSS1500;1stExon;TSS1500;TSS200;1stExon
cg14270612	chr9	133738235 -0.004	0.05	ABL1;ABL1	Body;Body
cg22841169	chr2	30369455 0.003	0.05	YPEL5;YPEL5;	TSS1500;TSS1500;TSS1500;TSS1500
cg06159087	chr7	92157992 0.005	0.05	PEX1;C7orf64	TSS200;TSS200
cg13392150	chr1	27648632 0.003	0.05	TMEM222	TSS200
cg19099833	chr1	201476290 0.044	0.05	CSR1;CSR1;	5'UTR;1stExon;1stExon;5'UTR
cg21599869	chr2	239335445 0.008	0.05	ASB1	TSS200
cg25716740	chr17	49337652 0.002	0.05	MBTD1;UTP14	TSS1500;TSS1500
cg07236874	chr1	204463446 0.012	0.05	-	-
cg06076724	chr2	73511261 0.013	0.05	-	-
cg06382459	chr1	2159373 0.006	0.05	SKI	TSS1500
cg07791866	chr16	56701994 0.01	0.05	MT1G	TSS200
cg11196904	chr1	10491304 0.051	0.05	APITD1;APITD	Body;5'UTR;1stExon;Body
cg16806794	chr7	152591581 0.009	0.05	-	-
cg22499719	chr19	45251874 0.007	0.05	BCL3	TSS200
cg18367110	chr1	111992173 0.006	0.05	WDR77;ATP5F	TSS1500;1stExon
cg18830118	chr20	35441192 -0.007	0.05	C20orf117;C21	Body;Body
cg14014720	chr9	90113998 0.003	0.05	DAPK1	Body
cg24842815	chr8	581753 -0.014	0.05	-	-
cg18100827	chr3	119013497 0.01	0.05	CDGAP;CDGAP1	1stExon;5'UTR
cg22779991	chr6	41341074 0.004	0.05	-	-
cg13096724	chr17	27507606 0.011	0.05	MYO18A;MYC	TSS200;TSS200
cg26146949	chr15	42264823 0.004	0.05	EHD4	TSS200
cg05918135	chr7	14030351 0.004	0.05	ETV1;ETV1;ET	5'UTR;TSS1500;5'UTR;TSS1500
cg22598744	chr9	5890866 -0.003	0.05	MLANA	TSS200
cg06694283	chr10	44144043 0.01	0.05	ZNF32;ZNF32;	5'UTR;1stExon;5'UTR
cg02189000	chr11	66024593 0.011	0.05	KLC2;KLC2;K1	C(TSS1500;TSS200;TSS1500;TSS1500
cg26268843	chr7	64467056 0.015	0.05	-	-
cg19337180	chr9	129373499 0.025	0.05	-	-
cg03361575	chr18	56338510 0.007	0.05	MALT1;MALT1;	TSS200;TSS200
cg00287636	chr16	49892218 0.006	0.05	-	-
cg21793016	chr6	30028586 0.008	0.05	ZNRD1;ZNRD1	TSS1500;TSS1500;Body
cg16202564	chr8	98881927 0.003	0.05	MATN2;MATN	5'UTR;5'UTR
cg25553110	chr8	123964690 -0.004	0.05	ZHX2	Body
cg26484856	chr20	49127161 0.008	0.05	PTPN1	Body
cg11947011	chr1	112531838 0.011	0.05	KCND3;KCND3;	TSS200;TSS200
cg16465187	chr2	208490102 0.003	0.05	FAM119A;FAH	TSS200;TSS1500
cg15773482	chr3	101395972 0.012	0.05	ZBTB11;ZBTB1	1stExon;5'UTR;Body
cg08086728	chr9	124361550 0.006	0.05	DAB2IP	Body
cg18861231	chr3	152057943 -0.006	0.05	MBNL1;MBNL	Body;Body;Body;Body;1stExon;Body;Body;3'UTR
cg26254050	chr5	25193483 -0.005	0.05	-	-
cg15768226	chr20	55965245 0.012	0.05	RBM38;RBM3	TSS1500;TSS1500
cg20324356	chr11	3077922 0.022	0.05	CARS;CARS;C4	Body;Body;5'UTR;Body
cg24305381	chr1	46769030 0.003	0.05	LRR41;LRR41	1stExon;5'UTR;TSS1500
cg22719138	chr19	34895225 0.005	0.05	PDCD2L	TSS200
cg11156286	chr12	133338210 0.011	0.05	ANKLE2	1stExon
cg23234179	chr12	88420834 -0.011	0.05	C12orf50	5'UTR
cg01085225	chr2	191878686 0.008	0.05	STAT1;STAT1	5'UTR;5'UTR
cg13639987	chr12	27397408 0.005	0.05	STK38L	5'UTR
cg19726343	chr1	7515595 -0.006	0.05	CAMTA1	Body
cg17178919	chr3	190231933 0.006	0.05	IL1RAP;IL1RAI	1stExon;1stExon;1stExon;5'UTR;1stExon;5'UTR;1stExon;5'UTR;5'UTR;5'UTR;1stExon
cg21660921	chr12	50419384 0.003	0.05	RACGAP1;RAC	TSS200;TSS200;TSS200
cg03221776	chr8	145733971 0.018	0.05	MFSO3	TSS1500
cg18961281	chr7	3083773 0.021	0.05	CARD11	TSS200
cg07175290	chr11	66278117 0.005	0.05	BBS1	TSS200
cg03822011	chr11	22646721 0.006	0.05	FANCF	1stExon
cg15857427	chr11	134095157 0.018	0.05	VPS26B;NCAP	1stExon;TSS1500
cg07635369	chr19	48216813 0.004	0.05	EHD2	5'UTR
cg18414618	chr14	50999710 0.004	0.05	MAP4K5;ATL1	TSS1500;TSS200;TSS1500
cg24626079	chr12	4382171 0.008	0.05	CCND2	TSS1500
cg05139434	chr1	41328180 0.009	0.05	CITFD4	TSS200

cg07049977	chr2	37458536	0.013	0.05	CEBP2;C2orf5;Body;TSS1500;TSS1500
cg06891663	chr14	74227101	0.004	0.05	C14orf43;C14;5'UTR;TSS200
cg22504778	chr17	40950793	0.007	0.05	CNTD1;CCDC5;TSS200;TSS200
cg13508911	chr18	45662360	0.006	0.05	-
cg27657131	chr20	61847587	0.018	0.05	YTHDF1 TSS200
cg00736326	chr7	98923878	0.003	0.05	ARPC1A 5'UTR
cg19880722	chr12	121735139	0.018	0.05	CAMKK2;CAM;5'UTR;5'UTR;5'UTR;5'UTR;TSS1500;5'UTR
cg12552033	chr12	95611860	0.007	0.05	VEZT;FGD6 Body;TSS1500
cg07544038	chr6	71122681	0.007	0.05	FAM135A;FAM;TSS1500;TSS1500
cg24598106	chr2	21231372	0.005	0.05	APOB Body
cg01699584	chr4	44450999	0.006	0.05	KCTD8 TSS200
cg00778905	chr1	3541386	0.004	0.05	TPRG1L TSS200
cg27113153	chr11	123612418	0.007	0.05	ZNF202 TSS200
cg02710132	chr1	11968330	0.003	0.05	WARS2;WARS;TSS200;TSS200
cg06216157	chr17	7210363	0.008	0.05	EIF5A;EIF5A;EIF5A;TSS1500;5'UTR;TSS1500;TSS1500;1stExon
cg21530045	chr6	15026305	0.003	0.05	ULBP2 TSS200
cg19738182	chr2	223726189	0.006	0.05	ACSL3;ACSL3 5'UTR;5'UTR
cg10313463	chr16	30440564	0.014	0.05	DCTPP1 Body
cg03548170	chr1	72382645	-0.005	0.05	NEGR1 Body
cg23412875	chr16	3333539	0.005	0.05	ZNF263;ZNF2;5'UTR;1stExon
cg03356537	chr13	113425249	-0.007	0.05	ATP11A;ATP1;Body;Body
cg19536404	chr3	184971825	0.005	0.05	EHHADH;EHH;5'UTR;1stExon;1stExon;5'UTR
cg00176709	chr6	85483334	0.011	0.05	-
cg13486354	chr21	32931082	0.01	0.05	TIAM1 5'UTR
cg03591496	chr6	33280653	0.011	0.05	TAPBP;TAPBP;Body;Body;Body
cg21550172	chr8	145018075	0.01	0.05	PLEC1;PLEC1;Body;5'UTR;Body;Body;Body;TSS1500;1stExon;Body
cg07699440	chr15	80445357	0.004	0.05	FAH;FAH 1stExon;5'UTR
cg14472251	chr14	55493991	0.025	0.05	SOC54;SOC54;5'UTR;5'UTR;1stExon;TSS200;1stExon;TSS200
cg09693433	chr5	133702574	0.008	0.05	CDKL3;CDKL3 5'UTR;5'UTR
cg24824417	chr11	43597041	0.005	0.05	-
cg27477148	chr19	3360463	0.003	0.05	NFIC Body
cg03915268	chr1	28969692	0.042	0.05	TAF12;TAF12 TSS200;TSS200
cg01921368	chr15	75746777	0.008	0.05	SIN3A 5'UTR
cg19938436	chr1	170278698	-0.006	0.05	-
cg11078683	chr17	35293168	0.008	0.05	LHX1 TSS1500
cg14460953	chr17	7835493	0.006	0.05	TRAPPC1;CNT;TSS1500;1stExon;5'UTR;1stExon;TSS200;TSS1500;TSS200;5'UTR
cg14416747	chr17	75136725	0.006	0.05	SEC14L1;SEC1;TSS1500;TSS1500;TSS1500;TSS1500
cg05165064	chr20	18037039	0.007	0.05	OVOL2 Body
cg25379161	chr5	172482777	0.05	0.05	C5orf41;C5orf;TSS1500;TSS1500;TSS1500
cg05264320	chr17	45266837	0.006	0.05	CDC27;CDC27 TSS200;TSS200
cg18465286	chr10	31609896	0.009	0.05	ZEB1;ZEB1;ZEB1;TSS200;Body;Body;Body
cg02084811	chr12	49524778	0.008	0.05	TUBA1B Body
cg14311108	chr9	139377450	0.015	0.05	C9orf163;SEC;TSS1500;5'UTR;1stExon
cg02097636	chr19	42806344	0.003	0.05	PAFAH1B3;PR;Body;1stExon;5'UTR;Body;Body
cg00109465	chr12	54121359	0.005	0.05	CALCOCA1;CA;TSS200;TSS200;TSS200
cg12782992	chr11	9026055	0.002	0.05	NRIP3 TSS1500
cg02671806	chr15	65477420	0.01	0.05	CLPX 1stExon
cg21896452	chr2	73964413	0.004	0.05	TPRKB 5'UTR
cg05343799	chr11	35843508	0.003	0.05	-
cg06218228	chr2	238875540	0.007	0.05	UBE2F TSS200
cg07915189	chr19	7688621	-0.004	0.05	XAB2 Body
cg14084692	chr19	50149041	-0.003	0.05	SCAF1 Body
cg12665504	chr5	100239050	0.005	0.05	ST8SIA4;ST8S1;TSS200;TSS200
cg10536955	chr2	55197220	-0.024	0.05	EML6 Body
cg01844324	chr22	40742266	0.01	0.05	ADSL;ADSL TSS1500;TSS1500
cg08442028	chr16	87425757	0.004	0.05	FBXO31;MAPJ;TSS200;TSS200
cg09590193	chr11	105947389	0.004	0.05	KBTBD3;KBTB;5'UTR;5'UTR;TSS1500
cg22516213	chr1	28969570	0.023	0.05	TAF12;TAF12; 1stExon;5'UTR;1stExon;5'UTR
cg10023249	chr19	54041303	0.036	0.05	ZNF331;ZNF3;TSS200;5'UTR
cg16620382	chr6	43211213	0.011	0.05	TTBK1 TSS200
cg20237496	chr19	47104468	0.007	0.05	CALM3 TSS200
cg24069935	chr14	74226554	0.003	0.05	C14orf43;C14;1stExon;5'UTR;5'UTR
cg02052895	chr12	5540702	0.004	0.05	NTF3 TSS1500
cg07317755	chr3	57541798	0.01	0.05	PDE12 TSS200
cg03545133	chr16	70473447	0.003	0.05	ST3GAL2 TSS1500
cg09407049	chr19	50144997	0.018	0.05	SCAF1 TSS1500
cg01588060	chr6	2245749	0.006	0.05	GMD5;GMD5 5'UTR;1stExon
cg05308161	chr15	59063885	0.01	0.05	FAM63B;FAM;1stExon;1stExon
cg01459116	chr15	41954072	0.004	0.05	MGA;MGA 5'UTR;5'UTR
cg12792366	chr3	37217087	0.003	0.05	LRRFP2;LRRF1;5'UTR;5'UTR;5'UTR
cg03859684	chr13	111568271	0.005	0.05	ANKRD10 TSS1500
cg03586839	chr1	150601711	0.006	0.05	ENSA;ENSA;EIF;Body;TSS200;Body;TSS200;Body;TSS200;Body;Body
cg09088257	chr3	98451398	0.003	0.05	ST3GAL6 TSS200
cg02980823	chr14	76618326	0.004	0.05	C14orf118;C14;1stExon;1stExon;5'UTR;5'UTR
cg03074872	chr20	45035404	0.017	0.05	ELMO2;ELMO;TSS200;TSS200
cg08892208	chr1	92950711	0.006	0.05	GFI1;GFI1;GFI;5'UTR;5'UTR;TSS1500
cg03097111	chr10	99078896	0.007	0.05	FRAT1 TSS200
cg02756768	chr15	91260537	0.014	0.05	BLM TSS200
cg26467571	chr6	30882355	0.008	0.05	VARS2;VARS2;5'UTR;5'UTR;Body
cg11419403	chr5	1335846	-0.006	0.05	CLPTM1L Body
cg23956068	chr18	33647542	0.007	0.05	RPRD1A TSS200
cg17468224	chr4	15682941	0.013	0.05	LOC285550 TSS1500
cg02585459	chr1	111098150	0.011	0.05	-
cg04213910	chr17	43238881	0.009	0.05	HEXIM2 5'UTR
cg18345226	chr10	131909183	0.012	0.05	-
cg16925090	chr11	101785516	0.012	0.05	KIAA1377;ANK;TSS1500;5'UTR
cg16428631	chr12	110338164	0.006	0.05	TCHP;TCHP;TC;1stExon;5'UTR;TSS200
cg26003967	chr1	933987	0.008	0.05	-
cg11965514	chr8	124253535	0.004	0.05	C8orf76 1stExon
cg01873645	chr9	74526649	0.013	0.05	FAM108B1;FA;TSS1500;TSS1500;5'UTR;1stExon
cg13984181	chr1	92495720	0.002	0.05	EPHX4 1stExon
cg19206653	chr22	38453239	0.005	0.05	PICK1;PICK1;P;TSS200;TSS200;TSS200
cg03195230	chr11	64073135	0.003	0.05	ESRRA;ESRRA 5'UTR;1stExon
cg12910561	chr20	21081216	0.016	0.05	-
cg07129212	chr7	6487749	0.008	0.05	DAGLB;DAGLB;TSS200;TSS200
cg24170090	chr17	16945301	0.023	0.05	MPRIIP;MPRIIP;TSS1500;TSS1500
cg07482870	chr6	33168454	0.007	0.05	SLC39A7;SLC3;TSS200;TSS200;TSS200
cg26127025	chr5	2703138	-0.011	0.05	-
cg18998670	chr2	58273552	0.008	0.05	VRK2;VRK2;VF;TSS200;TSS200;TSS200;TSS1500;TSS200;TSS200
cg25142416	chr8	86290219	-0.016	0.05	CA1;CA1;CA1; 5'UTR;5'UTR;5'UTR;5'UTR
cg05848811	chr11	47270335	0.014	0.05	ACP2;NR1H3; 1stExon;TSS200;1stExon
cg01109047	chr2	120979401	-0.005	0.05	TMEM185B Body
cg06802655	chr1	43232917	0.008	0.05	LEPRE1;C1orf;TSS200;5'UTR;1stExon;TSS200
cg05937194	chr3	142607939	0.006	0.05	PCOLCE2 TSS200
cg10536101	chr1	16400330	0.012	0.05	FAM131C TSS1500

cg10813475	chr6	144537606	0.006	0.05	-	-
cg15781561	chr7	72993112	0.006	0.05	TBL2	TSS200
cg23734973	chr4	158141449	0.022	0.05	GRIA2;GRIA2;	TSS1500;TSS1500;TSS1500
cg15190738	chr8	20161380	0.012	0.05	-	-
cg11706349	chr6	36646226	0.002	0.05	CDKN1A;CDKN1	TSS1500;TSS1500
cg13650843	chr19	10511673	-0.004	0.05	CDC37	Body
cg07344147	chr1	154378025	0.006	0.05	IL6R;IL6R;IL6R	5'UTR;1stExon;1stExon;5'UTR
cg03915638	chr3	62356042	0.009	0.05	FEZF2	Body
cg19743869	chr20	44420664	0.004	0.05	WFDC3;DNNT1	TSS200;1stExon
cg10041635	chr6	33181021	0.011	0.05	-	-
cg18206296	chr13	48669420	0.01	0.05	MED4	TSS200
cg00133147	chr6	33256760	0.005	0.05	PFDN6;WDR4	TSS1500;Body;Body
cg16326998	chr7	5553266	0.02	0.05	FBXL18	Body
cg08037817	chr11	746956	0.006	0.05	TALDO1	TSS1500
cg08525989	chr20	32262282	0.006	0.05	NECAB3;NECA	TSS200;TSS200
cg05712610	chr7	151722461	0.005	0.05	GALNT11	TSS1500
cg10339775	chr7	111493027	-0.005	0.05	DOCK4	Body
cg05824432	chr16	2301222	0.012	0.05	DCI	Body
cg08354309	chr15	59063586	0.005	0.05	FAM6B3;FAM	1stExon;5'UTR;1stExon;5'UTR
cg07519536	chr6	26501950	0.005	0.05	BTN1A1	Body
cg23916679	chr4	70346347	-0.058	0.05	UGT2B4	3'UTR
cg23832862	chr12	110562130	0.005	0.05	IFT81;IFT81;I	F TSS200;TSS200;TSS200
cg03574598	chr5	96271227	0.005	0.05	LNPEP	TSS200
cg08701515	chr16	2933096	0.009	0.05	FLYWCH2;FLY	TSS200;TSS200;TSS200
cg24332422	chr5	112073686	0.005	0.05	APC;APC;APC	5'UTR;5'UTR;5'UTR
cg15623503	chr8	12990913	0.006	0.05	DLC1;DLC1	Body;TSS200
cg00829182	chr7	139321888	-0.007	0.05	HIPK2;HIPK2	Body;Body
cg13365761	chr16	23194156	0.012	0.05	SCNN1G	5'UTR
cg11589749	chr5	74807973	0.005	0.05	COL4A3BP;CO	TSS1500;TSS1500;TSS200;5'UTR
cg18209895	chr8	144328965	0.009	0.05	ZFP41	TSS200
cg27015207	chr6	150067738	0.006	0.05	NUP43	TSS200
cg16776524	chr16	19420745	-0.007	0.05	TMC5;TMC5	TSS1500;TSS1500
cg13143529	chr13	28492971	0.007	0.05	PDX1	TSS1500
cg08517562	chr20	49126905	0.004	0.05	PTPN11;PTPN1	1stExon;5'UTR
cg04388863	chr16	48269349	-0.006	0.05	ABCC11;ABCC	TSS1500;TSS1500
cg04310964	chr16	10674328	0.004	0.05	EMP2	5'UTR
cg10927555	chr2	128458845	0.006	0.05	SFT2D3;SFT2D	5'UTR;1stExon
cg23143978	chr7	155436512	0.015	0.05	RBM33	TSS1500
cg00420715	chr8	100025364	0.013	0.05	VPS13B;VPS1	TSS200;TSS200;TSS200;TSS200
cg13906749	chr12	120933893	0.006	0.05	DYNLL1;DYNLI	5'UTR;1stExon;5'UTR;1stExon;5'UTR
cg00799121	chr5	178741283	-0.015	0.05	ADAMTS2;AD	Body;Body
cg13193757	chr20	48552853	0.004	0.05	RNF114	TSS200
cg20853001	chr10	134586470	-0.009	0.05	INPP5A	Body
cg24778241	chr14	50065351	0.004	0.05	PPIL5;PPIL5	TSS200;TSS200
cg10398774	chr3	194117685	0.006	0.05	GP5	Body
cg23093462	chr10	35104858	0.005	0.05	PARD3	TSS1500
cg04021697	chr1	3567303	0.007	0.051	WDR8	TSS1500
cg25840685	chr2	74753946	-0.019	0.051	AUP1;DQX1	Body;TSS1500
cg04052019	chr6	170565952	-0.008	0.051	LOC154449	Body
cg08541933	chr14	74254093	0.005	0.051	C14orf43	TSS200
cg11336539	chr1	28994987	0.046	0.051	GMEB1;GMEB	TSS1500;TSS1500
cg25580306	chr22	42017000	0.006	0.051	XRCC6;PPPDE	TSS1500;TSS200
cg01893322	chr3	173113110	0.002	0.051	-	-
cg01073605	chr10	126490761	0.007	0.051	FAM175B	Body
cg18503615	chr14	75760948	0.005	0.051	-	-
cg06073386	chr11	66725905	0.003	0.051	PC;PC	TSS200;TSS200
cg19425083	chr11	30344469	0.005	0.051	C11orf46	TSS200
cg07811498	chr22	42475450	0.011	0.051	C22orf32	TSS1500
cg02465374	chr6	166401700	0.004	0.051	LOC441177;Ct	Body;TSS200;TSS200
cg03727240	chr12	57963879	-0.003	0.051	KIF5A	Body
cg27294837	chr13	79179105	0.006	0.051	POU4F1	TSS1500
cg14908245	chr8	23619180	0.011	0.051	-	-
cg25601319	chr1	27021839	0.004	0.051	ARID1A;ARID1	TSS1500;TSS1500
cg27202017	chr16	2318549	0.004	0.051	RNP51;RNP51	TSS1500;TSS1500
cg10171504	chr10	28032506	0.008	0.051	MKX	5'UTR
cg24971957	chr17	67323276	0.015	0.051	ABCA5;ABCA5	5'UTR;1stExon
cg26295009	chr4	141445149	0.007	0.051	ELMOD2	TSS1500
cg02369195	chr12	47473793	0.007	0.051	AMIGO2;AMI	(TSS200;TSS200
cg21591486	chr6	29910994	0.033	0.051	HLA-A	Body
cg13643376	chr11	110583543	0.011	0.051	ARHGAP20	TSS200
cg01616394	chr12	125138263	0.019	0.051	-	-
cg11315500	chr17	54991500	0.004	0.051	TRIM25	TSS200
cg02850329	chr1	24829455	0.015	0.051	RCAN3;RCAN	1stExon;5'UTR
cg12066840	chr1	204098334	0.011	0.051	-	-
cg21426239	chr4	82136489	0.005	0.051	-	-
cg02113971	chr14	21457816	0.014	0.051	METT11D1;MI	TSS200;TSS200
cg26400840	chr8	23081904	0.005	0.051	TNFRSF10A	Body
cg13001274	chr3	49044551	0.012	0.051	P4HTM;WDRE	3'UTR;TSS200;3'UTR
cg09353063	chr3	8811092	0.014	0.051	OXTR;OXTR	1stExon;5'UTR
cg10158151	chr17	51900032	-0.018	0.051	KIF2B	TSS1500
cg02048627	chr16	19566883	0.004	0.051	C16orf62	TSS200
cg17103467	chr1	3559568	-0.004	0.051	WDR8	Body
cg25309212	chr2	15701499	0.006	0.051	NBAS	TSS200
cg13257514	chr7	27190689	0.007	0.051	-	-
cg09487570	chr6	42185763	0.011	0.051	MRPS10	TSS200
cg16227703	chr1	38478221	0.01	0.051	UTP11L	TSS200
cg00078334	chr16	55513961	0.007	0.051	MMMP2	Body
cg12743974	chr7	21788358	-0.003	0.051	DNAH11	Body
cg05547993	chr16	70835035	0.004	0.051	VAC14;VAC14	1stExon;5'UTR
cg08195842	chr13	21278118	0.006	0.051	IL17D	5'UTR
cg07793889	chr12	48357314	0.006	0.051	TMEM106C;TI	TSS200;TSS200;TSS200;TSS200
cg25631940	chr20	43589250	0.009	0.051	TOMM34	TSS200
cg26585770	chr6	43027623	0.007	0.051	KLC4;KLC4;KLC	(TSS1500;5'UTR;TSS200;5'UTR;TSS1500
cg11268739	chr14	48145588	0.008	0.051	-	-
cg11436475	chr19	38806834	0.01	0.051	YIF1B;YIF1B;YI	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg02809009	chr19	50354510	0.006	0.051	PTOV1;PTOV1	5'UTR;1stExon
cg15909981	chr22	37465178	0.009	0.051	TMPPRS6	Body
cg10339344	chr11	60674203	0.005	0.051	PRPF19	TSS200
cg11437231	chr11	47291487	0.013	0.051	MADD;MADD	TSS200;5'UTR;5'UTR;TSS200;5'UTR;5'UTR;5'UTR;5'UTR;TSS200;5'UTR
cg24213437	chr19	11529741	0.009	0.051	RLG3;RLG3	Body;Body
cg05479791	chr8	146228139	0.006	0.051	ZNF252;C8orf	Body;TSS200
cg06191669	chr2	27593396	0.006	0.051	SNX17;EIF2B4	1stExon;TSS200;5'UTR;TSS200;TSS1500
cg1669732	chr19	14074320	-0.009	0.051	RFX1	Body
cg07062437	chr13	48611647	0.003	0.051	NUDT15	TSS200
cg17447014	chr15	52821424	0.005	0.051	MYOSA;MYO	TSS200;TSS200

cg06404662	chr20	62038206 -0.003	0.051	KCNQ2;KCNQ;Body;Body;Body;Body
cg06396724	chr14	61188239 0.004	0.051	SIX4 Body
cg22182016	chr15	57998894 0.006	0.051	GRINL1A;GCO TSS200;Body;Body;TSS200;TSS200
cg08372350	chr16	88943191 -0.004	0.051	CBFA2T3;CBF3'UTR;3'UTR
cg01965533	chr14	75348459 0.003	0.051	DLST TSS200
cg19634213	chr10	89621792 0.004	0.051	PTEN;KILLIN TSS1500;1stExon
cg00597366	chr16	46917883 0.003	0.051	GPT2;GPT2 TSS1500;TSS1500
cg04624059	chr7	99063424 0.002	0.051	ATP5J2;ATP5J;Body;Body;Body;Body
cg03856748	chr11	118662168 0.007	0.051	DDX6 TSS200
cg21357108	chr17	15164082 0.01	0.051	PMP22;PMP2;5'UTR;5'UTR;1stExon;5'UTR
cg06800840	chr12	121476549 0.012	0.051	OASL;OASL Body;Body
cg05027125	chr6	25961768 -0.003	0.051	TRIM38 TSS1500
cg17520203	chr4	47465732 0.008	0.051	COMMD8 TSS200
cg25339653	chr2	37384231 0.004	0.051	EIF2AK2;EIF2A TSS200;TSS200
cg18235026	chr7	129419139 0.009	0.051	-
cg05842457	chr4	7044863 0.006	0.051	CCDC96;TADA TSS200;TSS1500
cg14634842	chr2	232574012 0.005	0.051	PTMA;PTMA Body;Body
cg02248826	chr15	30115149 0.017	0.051	TJP1;TJP1 TSS1500;TSS1500
cg13984756	chr10	678263 -0.005	0.051	DIP2C Body
cg25202662	chr11	61106844 -0.007	0.051	DAK Body
cg03804240	chr11	118481350 0.007	0.051	PHLDB1;PHLD 5'UTR;5'UTR;5'UTR
cg24506533	chr3	12705886 0.008	0.051	RAF1 TSS200
cg27414860	chr16	4852427 0.01	0.051	ROGDI Body
cg00421654	chr5	118406959 0.007	0.051	DMXL1 TSS200
cg22239167	chr2	224822509 0.006	0.051	MRPL44 Body
cg12483357	chr19	10958336 -0.006	0.051	C19orf38 TSS1500
cg12409226	chr7	100076985 0.016	0.051	TSC22D4 TSS200
cg19679989	chr10	8096602 0.004	0.051	FLJ45983;GAT TSS1500;TSS200;TSS200;TSS1500
cg01914242	chr17	3868068 0.006	0.051	ATP2A3;ATP2;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg06599939	chr16	1590085 -0.005	0.051	IFT140;TMEM Body;Body
cg14810501	chr22	50609143 0.008	0.051	PANX2;PANX2 TSS200;TSS200;TSS200
cg20018344	chr20	3204138 0.003	0.051	ITPA;ITPA 3'UTR;3'UTR
cg13476077	chr1	200009373 0.006	0.051	NR5A2;NR5A2 Body;Body
cg04315947	chr10	98272633 0.004	0.051	TLL2 Body
cg13460467	chr9	132331664 0.007	0.051	-
cg13684918	chr6	3326881 0.003	0.051	RGL2;RGL2;RC 5'UTR;Body;1stExon
cg24380489	chr17	79793082 -0.037	0.051	DYSFIP1 TSS200
cg15336997	chr5	82770250 0.003	0.051	VCAN;VCAN;V 5'UTR;5'UTR;5'UTR;5'UTR
cg01515239	chr4	81256850 0.003	0.051	C4orf22 TSS200
cg19426773	chr6	139309558 0.006	0.051	REPS1;REPS1 TSS200;TSS200
cg03527353	chr11	31832714 0.011	0.051	PAX6;PAX6;PA 5'UTR;1stExon;5'UTR;5'UTR
cg05789608	chr1	205180802 0.005	0.051	DSTYK;DSTYK TSS200;TSS200
cg16064054	chr1	48190979 0.002	0.051	-
cg12615951	chr14	31677607 0.004	0.051	HECTD1 TSS1500
cg06582752	chr1	211307674 0.006	0.051	KCNH1;KCNH1 TSS1500;TSS1500
cg09350387	chr2	170430441 0.007	0.051	FASTKD1 TSS200
cg21530266	chr3	138657774 0.034	0.051	-
cg11700173	chr6	170615747 0.006	0.051	FAM120B TSS200
cg00401753	chr5	405986 -0.005	0.051	AHRR;LOC100 Body;TSS1500
cg13400188	chr8	142138543 0.006	0.051	DENND3 TSS200
cg26413355	chr5	79783674 0.004	0.051	FAM151B TSS200
cg20724073	chr17	40719654 0.006	0.051	MLX;MLX;ML Body;Body;Body
cg16524830	chr1	111506903 0.01	0.051	C1orf103;C1orf103 TSS1500;TSS1500
cg09185754	chr10	1095081 0.005	0.051	IDI1 TSS200
cg00723961	chr6	31865084 0.007	0.051	EHMT2;EHMT Body;Body
cg10447035	chr11	134259868 -0.005	0.051	B3GAT1;B3GA 5'UTR;5'UTR
cg03553689	chr11	9335614 0.005	0.051	TMEM41B;TM Body;Body;Body
cg06681220	chr17	16472701 0.007	0.051	ZNF287 TSS200
cg19974227	chr4	3371876 0.006	0.051	RGS12;RGS12;Body;5'UTR;1stExon;Body
cg01722904	chr6	149888045 0.007	0.051	C6orf72 Body
cg27494338	chr10	102470161 0.006	0.051	-
cg19639065	chr6	44191267 0.007	0.051	SLC29A1;SLC2 TSS200;5'UTR;5'UTR;TSS200;TSS200
cg18522549	chr11	62473861 0.008	0.051	BSCL2;GNG3;T Body;TSS1500;Body;TSS200
cg06889755	chr6	150326021 0.005	0.051	RAET1K Body
cg00253200	chr3	192636074 0.004	0.051	C3orf59 TSS200
cg02005147	chr14	100111340 0.004	0.051	HHIPL1;HHIPL TSS200;TSS200
cg16227131	chr2	10091897 0.004	0.051	GRHL1;GRHL1 5'UTR;1stExon
cg20254364	chr21	32930575 0.005	0.051	TIAM1 5'UTR
cg03543495	chr11	94277826 0.005	0.051	FUT4 1stExon
cg03587150	chr1	154193741 0.005	0.051	C1orf43;UBAP TSS1500;5'UTR;TSS1500;5'UTR;TSS1500
cg10853077	chr11	6624776 0.004	0.051	ILK;ILK;ILK;RRI TSS200;TSS1500;TSS200;5'UTR;1stExon
cg20779414	chr12	57505882 0.007	0.051	STAT6 TSS1500
cg09327778	chr6	363423 -0.007	0.051	-
cg11400488	chr8	95833471 -0.002	0.051	-
cg26606551	chr1	5817431 -0.006	0.051	-
cg09892390	chr10	25013471 0.002	0.051	ARHGAP21 TSS1500
cg18167088	chr10	126715200 -0.006	0.051	CTBP2;CTBP2;Body;1stExon;Body
cg27493151	chr19	38701994 0.024	0.051	DPF1;DPF1;DF 3'UTR;3'UTR;3'UTR
cg00831358	chr1	32254081 0.012	0.051	-
cg21949747	chr22	18593368 0.019	0.051	TUBA8 TSS200
cg23694114	chr17	15848221 0.005	0.051	ADORA2B TSS200
cg08982381	chr9	80647290 0.008	0.051	GNAQ TSS1500
cg18862610	chr10	6019621 0.005	0.051	IL15RA;IL15RA TSS200;5'UTR
cg24187475	chr4	83821712 0.01	0.051	THAP9 TSS200
cg09124679	chr17	74261130 0.011	0.051	FAM100B TSS200
cg07438617	chr17	46655289 0.005	0.051	HOBX4 1stExon
cg08133013	chr17	4167205 0.004	0.051	ANKFY1;ANKF Body;Body
cg14935671	chr8	145597815 0.005	0.051	ADCK5 Body
cg11588889	chr20	6021584 -0.007	0.051	LRRN4 3'UTR
cg23355967	chr7	16685943 0.013	0.051	BZW2;BZW2;# Body;5'UTR;TSS1500;5'UTR
cg12045531	chr12	49259487 0.004	0.051	RND1 1stExon
cg03135127	chr19	13227421 0.012	0.051	TRMT1;TRMT1 1stExon;5'UTR;5'UTR;5'UTR;1stExon
cg19403541	chr4	174438312 0.019	0.051	-
cg00229532	chr12	117415439 -0.005	0.051	FBXW8;FBXW;Body;Body
cg21097698	chr4	76932399 -0.003	0.051	ART3;ART3 5'UTR;1stExon
cg21513757	chr7	95951635 0.009	0.051	SLC25A13;SLC TSS200;TSS200;TSS200
cg01409659	chr19	47291083 0.022	0.051	SLC1A5;SLC1A 1stExon;TSS1500
cg16013543	chr1	154300241 0.011	0.051	ATP8B2;ATP8 TSS200;5'UTR
cg06452669	chr5	68463117 0.004	0.051	CCNB1 Body
cg09301114	chr6	33266964 0.005	0.051	RGL2;RGL2;RC 5'UTR;Body;1stExon
cg10061292	chr6	32939335 0.012	0.051	BRD2;BRD2 5'UTR;5'UTR
cg03848555	chr9	77567361 0.005	0.051	C9orf40 1stExon
cg27330006	chr19	6746538 -0.009	0.051	TRIP10 Body
cg16306148	chr1	43147565 0.004	0.051	YBX1 TSS1500
cg12730424	chr14	93799109 0.004	0.051	BTBD7;BTBD7 5'UTR;5'UTR;TSS1500

cg08452456	chr17	45786439 -0.005	0.051	TBKBP1	Body
cg12048031	chr19	58459283 0.009	0.051	ZNF256	TSS1500
cg05625889	chr1	25944100 0.004	0.051	MAN1C1;MAN1	1stExon;5'UTR
cg08793877	chr2	71115994 0.013	0.051	-	-
cg04091109	chr8	37962386 0.005	0.051	ASH2L;ASH2L	TSS1500;TSS1500
cg16922861	chr12	46384569 0.005	0.051	SFRS2IP	TSS200
cg12833516	chr7	5085426 0.007	0.051	RBAK	TSS200
cg16150677	chr14	92980033 0.008	0.051	RIN3	TSS200
cg15016513	chr10	126150256 0.008	0.051	LHPP;LHPP	TSS200;TSS200
cg14988503	chr4	76555547 0.007	0.051	CDKL2;CDKL2	5'UTR;1stExon
cg13521951	chr12	58146353 0.006	0.051	CDK4	TSS200
cg22388982	chr2	228029517 0.005	0.051	COL4A3;COL4A	1stExon;1stExon;1stExon;TSS1500;1stExon
cg00243166	chr7	155437171 0.003	0.051	RBM33	TSS200
cg14887563	chr7	86849180 0.008	0.051	C7orf23	TSS200
cg25934863	chr15	101419506 0.007	0.051	ALDH1A3	TSS1500
cg14009745	chr4	39978128 0.008	0.051	PDS5A;PDS5A	5'UTR;Body;Body
cg03974423	chr12	53614109 0.009	0.051	RARG;RARG;R	1stExon;5'UTR;Body
cg17074213	chr1	92351695 0.051	0.051	TGFB3;TGFB3	1stExon;5'UTR
cg11781339	chr19	56092040 0.023	0.051	ZNF579	5'UTR
cg27140938	chr4	25235459 0.006	0.051	PI4K2B	TSS200
cg19811231	chr3	108540299 -0.002	0.051	TRAT1	TSS1500
cg19371526	chr11	2161341 0.008	0.051	INS-IGF2;IGF2	Body;TSS1500;Body;5'UTR;TSS1500;TSS1500
cg02631957	chr5	122847966 0.016	0.051	CSNK1G3;CSN	1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon;1stExon
cg04231958	chr12	109915151 0.008	0.051	UBE3B;KCTD1	TSS1500;1stExon;5'UTR;TSS1500
cg20979703	chr20	25228569 0.006	0.051	PYGB	TSS200
cg13314145	chr7	98246001 0.005	0.051	NPTX2	TSS1500
cg15816080	chr7	65670215 0.003	0.051	TPST1	TSS200
cg22392501	chr1	22379010 0.008	0.051	CDC42;CDC42	TSS200;TSS200;TSS200
cg00045190	chr6	33216612 0.008	0.051	-	-
cg19320275	chr21	47063408 0.007	0.051	-	-
cg19736117	chr19	50058328 0.017	0.051	-	-
cg07216348	chr8	22213245 -0.008	0.051	PIWIL2;PIWIL3	3'UTR;3'UTR
cg11423178	chr10	70092688 0.012	0.051	PBLD;HNRNP	TSS200;5'UTR;TSS200;5'UTR
cg02292206	chr7	149569715 -0.007	0.051	ATP6V0E2;LOI	TSS1500;Body;TSS1500
cg23959612	chr6	109704316 0.007	0.051	CD164;CD164	TSS1500;TSS1500;TSS1500;TSS1500
cg06527989	chr5	176239974 0.006	0.051	UNC5A	Body
cg10994596	chr1	40839750 0.007	0.051	SMAP2;SMAP	5'UTR;1stExon
cg12862950	chr5	77656479 0.003	0.051	SCAMP1;SCA	1stExon;5'UTR
cg06232075	chr4	1256182 -0.01	0.051	-	-
cg03434872	chr3	186524395 0.014	0.051	RFC4;RFC4;RF	1stExon;TSS200;5'UTR
cg02668729	chr1	41445680 0.007	0.051	CTPS	5'UTR
cg26249450	chr6	36355732 0.007	0.051	ETV7	TSS1500
cg16979622	chr17	79196755 0.015	0.051	AZ11;AZ11	TSS200;TSS200
cg17744835	chr15	40064068 -0.021	0.051	FSIP1	Body
cg07130494	chr6	128831358 -0.007	0.051	PTPRK;PTPRK	Body;Body
cg02851517	chr1	32645182 0.007	0.051	TXLNA	TSS200
cg05300697	chr1	167905644 0.002	0.051	BRP44;DCAF6	TSS1500;TSS1500;5'UTR;TSS1500;TSS1500
cg17626178	chr2	205410273 0.013	0.051	PARD3B;PARD	TSS1500;TSS1500;TSS1500
cg08160691	chr20	18548002 0.006	0.051	LOC388789	TSS200
cg26358945	chr8	54934972 0.004	0.051	TCEA1;TCEA1	5'UTR;1stExon;1stExon;5'UTR
cg10076071	chr20	21284343 0.005	0.051	XRN2	Body
cg18069290	chr12	58013539 0.004	0.051	SLC26A10	TSS200
cg05131771	chr10	3446995 -0.003	0.051	-	-
cg23280166	chr11	118938394 0.008	0.051	VPS11	TSS200
cg06420903	chr16	88186669 -0.005	0.051	-	-
cg26325568	chr4	152020739 0.008	0.051	RPS3A	TSS200
cg03949158	chr11	61447938 0.006	0.051	DAGLA;DAGL	5'UTR;1stExon
cg06257353	chr13	33161395 0.009	0.051	PDS5B	5'UTR
cg12993715	chr3	147140847 0.017	0.051	-	-
cg19112357	chr3	13834712 -0.004	0.051	-	-
cg13633529	chr15	101141955 0.006	0.052	ASB7;LINS1;A	TSS1500;5'UTR;TSS1500;5'UTR;5'UTR;5'UTR
cg18025976	chr4	74124864 0.006	0.052	ANKRD17;AN	TSS1500;TSS1500
cg18206459	chr2	208030726 0.002	0.052	KLF7	TSS200
cg00763555	chr13	30881437 0.028	0.052	KATNAL1;KAT	5'UTR;TSS1500
cg10042298	chr11	78024311 -0.011	0.052	GAB2;GAB2	Body;5'UTR
cg09799156	chr1	45253079 -0.017	0.052	BEST4	Body
cg04610628	chr7	7606396 0.013	0.052	MIOS	TSS1500
cg24156658	chr11	65122092 0.01	0.052	TIGD3	TSS200
cg17513943	chr10	27444487 0.009	0.052	YME1L1;MAS	TSS1500;1stExon;TSS1500
cg06113789	chr6	43253097 0.009	0.052	TTBK1	Body
cg07487535	chr11	71159905 0.009	0.052	DHCR7;DHCR	7;TSS1500;TSS1500
cg07251194	chr16	67850705 0.005	0.052	TSNAXIP1	5'UTR
cg22337291	chr6	41747801 0.003	0.052	FRS3;PRICKL	E;TSS200;TSS1500
cg25333258	chr7	44365029 0.003	0.052	CAMK2B;CAM	5'UTR;5'UTR;1stExon;1stExon;1stExon;1stExon;5'UTR;5'UTR;5'UTR;1stExon;1stExon;5'UTR;5'UTR;1st
cg03333330	chr7	93520346 0.008	0.052	TFPI2	TSS1500
cg22710219	chr1	32801046 0.009	0.052	MARCKSL1	Body
cg04435084	chr12	9800544 0.009	0.052	LOC374443	TSS200
cg17561435	chr7	33944927 0.003	0.052	BMPER	TSS200
cg16737773	chr19	49588400 0.006	0.052	SNRNP70	TSS200
cg21724717	chr7	93634202 0.013	0.052	BET1	TSS1500
cg14807544	chr19	46368487 -0.008	0.052	FOXA3	Body
cg22367246	chr15	42841112 0.006	0.052	LRRCS7;HAUS	TSS200;1stExon;1stExon
cg18385501	chr17	73401976 0.009	0.052	GRB2;GRB2	TSS200;TSS200
cg10761979	chr3	125899144 0.006	0.052	ALDH1L1	5'UTR
cg21790234	chr17	76448453 -0.004	0.052	DNAH17	Body
cg20272619	chr1	57890317 0.004	0.052	DAB1	5'UTR
cg15605409	chr5	43121899 0.005	0.052	ZNF131	5'UTR
cg03910652	chr17	17655845 0.01	0.052	RAI1	5'UTR
cg03508284	chr9	4985524 0.011	0.052	JAK2;JAK2	1stExon;5'UTR
cg17482237	chr1	236900382 -0.007	0.052	ACTN2	Body
cg25685983	chr19	10677491 0.006	0.052	CDKN2D;KR1	1;3'UTR;TSS1500;3'UTR
cg09364020	chr6	78176085 0.009	0.052	-	-
cg06391046	chr16	81478765 0.033	0.052	CMIP	TSS200
cg18124616	chr1	62902687 0.012	0.052	USP1;USP1	US;5'UTR;5'UTR;1stExon;5'UTR
cg00093058	chr16	717932 0.006	0.052	RHOT2	TSS200
cg07409656	chr13	78272378 0.003	0.052	SLAIN1	TSS200
cg12122464	chr19	10120092 0.007	0.052	COL5A3	Body
cg08213444	chr5	784871 0.06	0.052	-	-
cg18697929	chr4	15656503 0.013	0.052	FBXL5;FBXL	5'UTR;Body
cg23442326	chr10	126107667 0.006	0.052	OAT	TSS200
cg22894353	chr11	9112989 0.01	0.052	SCUBE2;SCUB	1stExon;1stExon
cg11287521	chr10	124134015 0.014	0.052	PLEKHA1	TSS1500
cg22923268	chr2	128784914 0.004	0.052	SAP130;SAP	1;TSS200;TSS200
cg18262591	chr11	68579970 -0.007	0.052	CPT1A;CPT1A	Body;Body
cg14172603	chr9	37037526 0.005	0.052	-	-

cg08610862	chr1	197888469	0.01	0.052	LHX9;LHX9	Body;Body
cg19293019	chr2	183580818	0.01	0.052	DNAJC10	TSS200
cg11099291	chr17	1620044	0.006	0.052	C17orf91;C17:TSS1500;TSS1500;Body;TSS1500;TSS1500;5'UTR	
cg25344734	chr11	13030643	0.006	0.052	RASSF10	TSS200
cg19720481	chr12	2986021	0.017	0.052	FOXM1;FOXM1 5'UTR;5'UTR;TSS1500;TSS1500;5'UTR;TSS1500	
cg10277631	chr14	53019580	0.012	0.052	TXNDC16;TXN TSS1500;TSS1500;TSS1500	
cg22630755	chr5	134871807	0.002	0.052	NEUROG1	TSS200
cg08297393	chr2	100937505	-0.025	0.052	LONRF2	Body
cg03348149	chr1	169764185	0.006	0.052	C1orf112;C1orf112:TSS1500;TSS200	
cg04757892	chr22	41698001	0.024	0.052	ZC3H7B	5'UTR
cg06530725	chr1	54375643	-0.008	0.052	DIO1;DIO1;DI (Body;Body;3'UTR;Body	
cg15437528	chr17	72427628	0.009	0.052	GPRC5C	TSS200
cg03312601	chr3	187459269	0.011	0.052	BCL6	5'UTR
cg05008927	chr7	856200	0.003	0.052	UNC84A;UNC1 TSS200;TSS200	
cg08672557	chr10	22292767	0.003	0.052	DNAJC1	TSS200
cg06856480	chr19	34850338	0.004	0.052	-	-
cg08939095	chr15	83953068	0.007	0.052	BNC1	Body
cg03322971	chr17	7233596	0.013	0.052	NEURL4;NEUR TSS1500;TSS1500	
cg00654461	chr12	111180088	0.005	0.052	PPP1CC	Body
cg06087298	chr1	118149316	0.005	0.052	FAM46C	5'UTR
cg21973800	chr14	102829177	0.003	0.052	CINP;TECPR2	Body;TSS200
cg12755397	chr4	83483204	0.006	0.052	TMEM150C	TSS200
cg04932544	chr1	210111403	0.004	0.052	SYT14;SYT14;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200	
cg18294116	chr6	105528070	-0.008	0.052	LIN28B	3'UTR
cg24051786	chr3	47514673	-0.005	0.052	SCAP	5'UTR
cg03850334	chr11	62341623	0.007	0.052	EEF1G	TSS200
cg23071808	chr14	103021642	0.003	0.052	-	-
cg09345954	chr2	198669339	0.008	0.052	PLCL1	TSS200
cg07478773	chr1	40041131	0.031	0.052	PABPC4;PABP	Body;Body;Body
cg01332711	chr15	42120681	0.005	0.052	JMJD7-PLA2G	Body;Body;Body
cg26172385	chr10	120840446	0.005	0.052	EIF3A	TSS200
cg14641705	chr3	195808879	0.005	0.052	TFRC;TFRC;TF15'UTR;1stExon;5'UTR	
cg02521643	chr5	60139708	0.004	0.052	ELOVL7;ELOVL5'UTR;5'UTR	
cg04958794	chr14	97685274	0.004	0.052	-	-
cg02183105	chr15	80216144	0.006	0.052	C15orf37;ST2 (Body;TSS200	
cg05350188	chr2	26785353	0.07	0.052	C2orf70	TSS200
cg13882267	chr3	37493203	0.004	0.052	ITGA9	TSS1500
cg01981230	chr8	37594125	0.009	0.052	ERLIN2;ERLIN;1stExon;5'UTR;TSS200;1stExon;5'UTR	
cg22299191	chr17	7991169	-0.019	0.052	ALOX12B	TSS200
cg11031429	chr7	39662998	0.005	0.052	RALA	TSS200
cg11381149	chr6	134356379	-0.004	0.052	SLC2A12	Body
cg26181880	chr10	99474028	0.008	0.052	MARVELD1;M	Body;1stExon
cg27486277	chr2	101618593	0.005	0.052	RPL31;RPL31;TSS200;TSS200;TSS200	
cg16497583	chr8	146228236	0.004	0.052	ZNF252;C8orf	Body;Body
cg07245011	chr5	122181023	0.007	0.052	SNX24	TSS200
cg14821507	chr17	79519524	0.004	0.052	C17orf70;C17;TSS200;TSS200	
cg23950691	chr1	227015916	0.004	0.052	-	-
cg06681566	chr3	133614437	0.006	0.052	RAB6B;RAB6B 5'UTR;1stExon	
cg05242945	chr3	39447984	0.003	0.052	RPSA;RPSA	TSS1500;TSS1500
cg26942532	chr7	75678159	0.015	0.052	MDH2;STYXL1	Body;TSS1500
cg16260298	chr7	116140342	0.002	0.052	CAV2;CAV2	Body;Body
cg23110471	chr8	42948552	0.005	0.052	SGK196	TSS200
cg03050810	chr15	52311221	0.005	0.052	MAPK6	TSS200
cg24718710	chr10	334537	-0.027	0.052	DIP2C	Body
cg20203327	chr10	126605322	0.005	0.052	-	-
cg20060452	chr19	31210518	0.003	0.052	-	-
cg00498360	chr17	64504304	-0.005	0.052	PRKCA	Body
cg03359516	chr9	126771184	0.002	0.052	-	-
cg09648091	chr16	2264881	0.006	0.052	PGP	TSS200
cg17016094	chr10	31320903	0.005	0.052	ZNF438;ZNF4;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200	
cg01232492	chr3	172429000	0.006	0.052	NCEH1;NCEH1 1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon;5'UTR;1stExon	
cg12633890	chr1	116382096	0.007	0.052	NHLH2;NHLH2 5'UTR;5'UTR	
cg04744134	chr19	8408128	0.004	0.052	KANK3;KANK3 1stExon;5'UTR	
cg27002699	chr19	11689538	0.012	0.052	ACPS;ACPS;AC (TSS1500;5'UTR;5'UTR;5'UTR;1stExon	
cg08393086	chr7	100081535	0.004	0.052	C7orf51	TSS200
cg12047218	chr8	125740117	0.008	0.052	MTSS1	Body
cg10188299	chr14	67982149	0.006	0.052	TMEM229B	TSS200
cg04392971	chr1	161369648	0.005	0.052	-	-
cg23050178	chr14	35761831	0.006	0.052	PSMA6	Body
cg26918471	chr5	121297617	0.012	0.052	SFRBP1	TSS200
cg05032059	chr2	19774488	0.01	0.052	-	-
cg12428298	chr2	71206811	-0.008	0.052	ANKRD53;ANH	Body;Body
cg21275702	chr20	18269109	0.002	0.052	ZNF133;ZNF1;TSS200;TSS200	
cg00024812	chr2	9564248	0.003	0.052	ITGB1BP1;ITG TSS1500;TSS1500;Body	
cg17483139	chr1	1822401	0.009	0.052	GNB1;GNB1	5'UTR;1stExon
cg15000794	chr7	86849844	0.004	0.052	C7orf23	TSS1500
cg16501308	chr18	30350221	0.005	0.052	KLHL14	Body
cg22228783	chr18	74844034	0.021	0.052	MBP;MBP	5'UTR;5'UTR
cg24803255	chr13	114807060	-0.002	0.052	RASA3	Body
cg16009120	chr12	8686707	-0.001	0.052	CLEC4E	3'UTR
cg13278441	chr14	54908213	0.002	0.052	CNIH	TSS200
cg17840047	chr4	18580125	-0.006	0.052	-	-
cg10258966	chr20	61810795	0.017	0.052	-	-
cg06273041	chr6	30710462	0.005	0.052	FLOT1	TSS200
cg09307034	chr12	95466679	0.007	0.052	NR2C1;NR2C1 5'UTR;5'UTR;5'UTR	
cg21882527	chr3	25706437	0.005	0.052	TOP2B	TSS1500
cg24469159	chr11	134123210	0.004	0.052	THYN1;THYN1 1stExon;1stExon;5'UTR;5'UTR;5'UTR;5'UTR;1stExon;1stExon;TSS1500;1stExon;5'UTR	
cg02602864	chr17	67410907	0.004	0.052	MAP2K6;MAP	1stExon;5'UTR
cg12898849	chr1	178511736	0.004	0.052	C1orf220;C1orf220:TSS200;TSS200	
cg07498879	chr22	30663041	0.01	0.052	OSM	TSS1500
cg22783598	chr5	133747613	0.022	0.052	CDKN2AIPNL	TSS200
cg08728520	chr20	31331105	0.012	0.052	COMMD7;COI	Body;Body
cg16780890	chr12	47473763	0.009	0.052	AMIGO2;AMIG (TSS200;TSS200	
cg13617248	chr21	38640479	0.077	0.052	DSCR3	TSS1500
cg22451358	chr17	59938871	0.007	0.052	-	-
cg26091688	chr16	3285403	0.014	0.052	ZNF200;ZNF2 (5'UTR;TSS1500;TSS1500;5'UTR;5'UTR;5'UTR;1stExon;1stExon;1stExon;1stExon	
cg16760490	chr8	56685889	0.006	0.052	TMEM68;TGS	TSS200;5'UTR;1stExon
cg04393675	chr16	28986095	0.008	0.052	SPNS1;SPNS1;1stExon;1stExon;5'UTR;1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon;5'UTR	
cg17977043	chr5	893049	0.007	0.052	TRIP13;TRIP1;1stExon;5'UTR;TSS200;1stExon;5'UTR;TSS1500;TSS200	
cg10717189	chr2	114735571	-0.008	0.052	-	-
cg08552042	chr16	58058836	0.015	0.052	MMP15	TSS1500
cg22757384	chr3	183353803	0.008	0.052	KLHL24	5'UTR
cg23266266	chr4	52708709	0.002	0.052	DCUN1D4;DCI TSS1500;TSS1500	
cg09900436	chr20	58630954	0.005	0.052	C20orf197	TSS200
cg26999908	chr5	179233875	0.007	0.052	SQSTM1;MGA 5'UTR;1stExon;5'UTR;TSS200	

cg13224729	chr20	306281	0.008	0.052	SOX12;SOX12 5'UTR;1stExon
cg25161114	chr18	61089948	0.012	0.052	VPS4B TSS200
cg02548238	chr5	121413050	0.002	0.052	LOX 1stExon
cg24515799	chr6	149867235	0.007	0.052	PPIL4 TSS200
cg12592635	chr3	29322474	0.002	0.052	RBMS3;RBMS: TSS1500;TSS1500;TSS1500
cg21956337	chr15	88799707	0.01	0.052	NTRK3;NTRK3 TSS200;TSS200;TSS200
cg06247406	chr6	101846791	0.01	0.052	GRIK2;GRIK2;TSS200;TSS200;TSS200
cg13516820	chr9	37036494	0.01	0.052	-
cg04722249	chr2	97617061	0.027	0.052	FAM178B Body
cg25164450	chr2	240061067	-0.012	0.052	HDAC4 Body
cg12921750	chr18	70535336	0.011	0.052	NETO1 TSS1500
cg01360720	chr4	48832037	-0.004	0.052	OCIA1;OCIA1 TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg17108838	chr11	10327138	0.007	0.053	ADM 5'UTR
cg23941787	chr19	39090701	-0.004	0.053	MAP4K1;MAP Body;Body
cg13510363	chr6	34857281	0.006	0.053	TAF11;ANKS1;TSS1500;1stExon
cg02010868	chr19	4067159	0.006	0.053	ZBTB7A TSS1500
cg20568196	chr17	45811015	0.005	0.053	TBX21 1stExon
cg17678647	chr21	48069229	-0.007	0.053	PRMT2;PRMT: Body;Body
cg13187009	chr20	55965497	0.006	0.053	RBM38;RBM3 TSS1500;TSS1500
cg18311498	chr7	151093196	-0.01	0.053	WDR86 Body
cg01644850	chr19	58193231	0.01	0.053	ZNF551 TSS200
cg26217633	chr17	33469413	0.006	0.053	NLE1;NLE1 TSS200;TSS200
cg06078990	chr20	62205560	0.023	0.053	PRIC285;PRIC: 1stExon;5'UTR
cg03912614	chr20	33734751	0.022	0.053	EDEM2;EDEM Body;Body;Body
cg02726847	chr10	3110273	0.005	0.053	PFKP Body
cg05191397	chr7	5437001	0.006	0.053	TNRC18 Body
cg05367790	chr4	178230934	0.003	0.053	NEIL3 TSS200
cg13836183	chr6	32131254	-0.008	0.053	EGFL8;PPT2;PI TSS1500;3'UTR;3'UTR
cg20144576	chr6	44225102	0.004	0.053	SLC35B2 Body
cg20418797	chr5	65439898	0.009	0.053	SFRS12;SFRS1 TSS200;TSS1500
cg01517656	chr1	6272055	-0.003	0.053	RNF207 Body
cg01060358	chr13	51483867	0.023	0.053	RNA5H2B;RN TSS200;TSS200
cg14084312	chr14	88459488	0.013	0.053	GALC;GALC 1stExon;1stExon
cg09737584	chr10	94333943	0.007	0.053	IDE TSS200
cg24900370	chr6	147830025	0.004	0.053	SAMD5 TSS200
cg15408734	chr2	70369140	0.026	0.053	-
cg25471478	chr19	3721572	0.008	0.053	-
cg10852661	chr5	162864385	0.004	0.053	CCNG1;CCNG: TSS200;TSS200
cg04310824	chr1	53393297	0.009	0.053	SCP2;SCP2 Body;Body
cg18836977	chr15	49338376	0.01	0.053	SECISBP2L Body
cg08570275	chr3	152553089	0.009	0.053	P2RY1;P2RY1 5'UTR;1stExon
cg00045690	chr6	32825897	-0.004	0.053	PSMB9;PSMB8;Body;Body
cg23786883	chr20	4764234	-0.006	0.053	RASSF2;RASSF 3'UTR;3'UTR
cg02497504	chr3	182510964	0.005	0.053	ATP11B TSS1500
cg10660249	chr9	5833007	0.003	0.053	ERMP1 1stExon
cg14414819	chr6	37225644	0.008	0.053	TMEM217;TM 1stExon;TSS1500;1stExon;5'UTR;5'UTR
cg02233414	chr19	36391117	0.005	0.053	NFKBID 5'UTR
cg15405429	chr17	76556857	-0.004	0.053	DNAH17 Body
cg23738345	chr1	184241100	-0.005	0.053	-
cg17095958	chr2	217009673	-0.009	0.053	XRCC5 Body
cg17170741	chr17	17942558	0.004	0.053	ATPAF2;C17orf TSS200;TSS200
cg19118289	chr20	524640	0.009	0.053	CSNK2A1;CSN TSS200;TSS200;TSS200
cg02856070	chr11	65686288	0.008	0.053	DRAP1;C11orf TSS1500;Body;Body
cg22685245	chr12	113495037	0.006	0.053	DTX1 TSS1500
cg14444336	chr5	175395016	0.003	0.053	THOC3 1stExon
cg17710021	chr1	209848577	0.008	0.053	G0S2 TSS200
cg19116747	chr5	149380656	0.013	0.053	HMGXB3;TIGL 5'UTR;TSS1500;1stExon
cg20592378	chr7	92861504	0.007	0.053	CCDC132;CCD TSS200;TSS200
cg26227101	chr1	14075870	0.032	0.053	PRDM2;PRDM Body;Body;TSS200;Body
cg25282706	chr17	729231	-0.007	0.053	NXN Body
cg26806071	chr4	154074259	0.006	0.053	TRIM2 TSS200
cg04044297	chr13	26760422	0.008	0.053	-
cg15592187	chr12	31882089	0.007	0.053	AMN1;AMN1: 5'UTR;Body;1stExon
cg07185038	chr12	58165658	0.043	0.053	FAM119B;ME TSS1500;Body;Body;TSS1500
ch.19.62825652f	chr19	58133840	0.002	0.053	-
cg24561266	chr5	118966450	-0.001	0.053	FAM170A;FAN Body;Body
cg15270851	chr13	111358291	0.01	0.053	CARS2 1stExon
cg22191617	chr2	99758136	0.013	0.053	C2orf15;TSGA TSS200;TSS200;5'UTR
cg11179308	chr17	47987596	0.009	0.053	-
cg27094166	chr5	148931083	0.004	0.053	CSNK1A1;CSN TSS200;TSS200
cg23091824	chr5	1112355	0.01	0.053	SLC12A7 TSS200
cg00723619	chr15	38544593	0.002	0.053	SPRED1 TSS1500
cg19925054	chr2	173292978	0.003	0.053	ITGA6;ITGA6 Body;Body
cg01552792	chr16	30969118	0.005	0.053	SETD1A;SETD: 1stExon;5'UTR
cg11528984	chr1	228353883	0.009	0.053	C1orf69 Body
cg00658626	chr12	111284979	0.005	0.053	CCDC63 5'UTR
cg14942501	chr8	97549759	-0.004	0.053	SDC2 Body
cg01189112	chr1	55446577	0.009	0.053	TMEM61;TME 1stExon;5'UTR
cg19770550	chr10	99258299	0.005	0.053	UBTD1;MMS1 TSS1500;5'UTR;1stExon
cg12066803	chr16	66785874	0.005	0.053	DYNC1L12 TSS1500
cg25667712	chr13	32605332	0.004	0.053	FRY TSS200
cg14670974	chr5	157098545	0.005	0.053	C5orf52 TSS200
cg02977710	chr4	166034196	0.009	0.053	TMEM192 TSS200
cg10913456	chr6	35656590	0.007	0.053	FKBP5;FKBP5: 1stExon;5'UTR;5'UTR;1stExon;1stExon;5'UTR;5'UTR
cg20218520	chr16	25123425	0.007	0.053	LCMT1;LCMT1 Body;Body
cg21351768	chr6	33421913	0.005	0.053	ZBTB9 TSS1500
cg24700760	chr7	42951217	0.015	0.053	C7orf25;C7orf Body;5'UTR
cg21321162	chr6	73973078	0.012	0.053	KHDC1 TSS200
cg01868559	chr12	16034962	0.002	0.053	STRAP TSS1500
cg04568116	chr11	72353582	0.006	0.053	PDE2A;PDE2A TSS200;Body;Body;TSS200
cg06558050	chr8	11550572	0.004	0.053	-
cg25465938	chr1	181455006	0.006	0.053	CACNA1E Body
cg03340261	chr6	135375900	0.002	0.053	HBS1L;HBS1L: 5'UTR;1stExon;1stExon;5'UTR;1stExon;5'UTR
cg26372400	chr12	52300922	0.01	0.053	ACVRL1 TSS1500
cg15886632	chr11	64009486	0.009	0.053	FKBP2;FKBP2: 5'UTR;TSS200;5'UTR
cg08618068	chr12	121163497	0.006	0.053	ACADS TSS200
cg08539179	chr1	227915948	0.003	0.053	LOC10013009 TSS1500;TSS1500
cg14549774	chr7	44240498	0.009	0.053	YKT6 TSS200
cg11444607	chr2	55509150	0.008	0.053	PRDXD1P TSS1500
cg07703462	chr7	149487338	0.004	0.053	SSPO Body
cg08235522	chr4	5186748	-0.001	0.053	STK32B Body
cg06778273	chr1	1137117	0.015	0.053	-
cg19110523	chr5	148206224	0.009	0.053	ADRB2;ADRB2 1stExon;5'UTR
cg21831612	chr13	112322273	-0.01	0.053	-
cg18284523	chr14	24711562	0.013	0.053	TINF2;TINF2:T 1stExon;5'UTR;1stExon;5'UTR

cg10448527	chr17	80674497	0.006	0.053	FN3KRP	TSS200
cg21377712	chr21	45526957	0.002	0.053	PWP2	TSS1500
cg18115495	chr7	65579946	0.01	0.053	CRCP;CRCP;CF	Body;5'UTR;5'UTR;1stExon;1stExon;5'UTR;1stExon;Body
cg10229294	chr12	113903210	0.011	0.053	LHX5	Body
cg01881549	chr2	235914787	-0.011	0.053	SH3BP4	5'UTR
cg15144793	chr2	235861303	0.004	0.053	SH3BP4	5'UTR
cg09754991	chr13	107220236	0.011	0.053	ARGLU1	1stExon
cg12464869	chr1	155108011	0.014	0.053	RAG1AP1;RAC	TSS1500;TSS1500
cg16488974	chr14	99736462	0.012	0.053	BCL11B;BCL11	Body;Body
cg06062102	chr15	74502200	-0.012	0.053	STRA6;STRA6;	TSS1500;TSS1500
cg27162629	chr3	194354260	0.007	0.053	TMEM44;TME	TSS200;TSS200;TSS200
cg12844997	chr5	6605152	-0.005	0.053	NSUN2	Body
cg23856027	chr15	100890441	0.005	0.053	FLJ42289;FLJ4	TSS200;Body
cg23565428	chr8	117887184	0.002	0.053	RAD21	TSS200
cg18507615	chr3	47324013	0.004	0.053	KIF9;KIF9;KIF9	5'UTR;1stExon;1stExon;5'UTR;TSS1500;5'UTR
cg14127398	chr6	91006592	0.005	0.053	BACH2;BACH2	1stExon;5'UTR;TSS200
cg14761454	chr11	108092087	0.025	0.053	ATM;NPAT	TSS1500;Body
cg13056269	chr2	136633607	0.006	0.053	MCM6	Body
cg12662497	chr5	98264283	0.005	0.053	-	-
cg05720261	chr1	40105304	0.005	0.053	HEYL;HEYL	1stExon;5'UTR
cg10752516	chr2	32235760	0.003	0.053	MEMO1;MEM	TSS200;TSS200
cg11698899	chr17	57785008	0.009	0.053	PTRH2;TMEM	TSS200;5'UTR;1stExon
cg01757312	chr13	112720565	0.011	0.053	SOX1	TSS1500
cg17820247	chr12	6579852	0.007	0.053	VAMP1;VAMP	TSS200;TSS200;TSS200
cg14669226	chr13	22249362	0.003	0.053	FGF9	Body
cg23194024	chr17	38278610	0.012	0.053	MSL1	TSS200
cg16129172	chr8	41686467	0.007	0.053	ANK1	Body
cg05496738	chr2	26101556	0.006	0.053	ASXL2	TSS1500
cg03864338	chr3	142720134	0.003	0.053	SR140	TSS1500
cg04571604	chr8	103424826	0.004	0.053	UBR5	TSS1500
cg08301542	chr1	145096567	0.005	0.053	SEC22B	1stExon
cg02479468	chr13	46722133	-0.005	0.053	LCP1	Body
cg10519140	chr6	44187076	0.005	0.053	SLC29A1;SLC2	TSS200;TSS200
cg05507832	chr12	56727806	0.017	0.053	PAN2;PAN2;Pi	1stExon;TSS1500;5'UTR;5'UTR;1stExon
cg02285920	chr19	17958956	0.007	0.053	JAK3	TSS200
cg18588027	chr15	68132741	0.003	0.053	-	-
cg23845507	chr1	91966731	0.009	0.053	CDC7;CDC7;Cl	5'UTR;5'UTR;5'UTR;1stExon
cg10524983	chr3	148708929	0.015	0.053	GYG1	TSS1500
cg13985868	chr9	116102304	0.011	0.053	WDR31;WDR3;	5'UTR;5'UTR
cg17515273	chr11	47870217	0.013	0.053	NUP160	TSS200
cg22272644	chr2	121334640	0.011	0.053	-	-
cg03004426	chr16	53537293	0.006	0.053	AKTIP;AKTIP	TSS200;TSS200
cg24374861	chr15	74422933	0.005	0.053	ISLR2;ISLR2;LC	5'UTR;5'UTR;TSS1500;1stExon;5'UTR;5'UTR
cg26489873	chr12	132975433	-0.013	0.053	-	-
cg23195675	chr19	6502304	0.015	0.053	TUBB4;TUBB4	1stExon;5'UTR
cg04411841	chr16	58033649	0.025	0.053	ZNF319;ZNF3;	5'UTR;1stExon
cg06995967	chr10	75013665	-0.013	0.053	MRPS16;TTC1	TSS1500;3'UTR
cg13335388	chr6	31550241	0.013	0.053	LTB;LTB	TSS200;TSS200
cg27464657	chr12	50560469	0.007	0.053	LASS5	Body
cg04599265	chr11	118927966	0.006	0.053	HYOU1;HYOU	TSS200;TSS200
cg26380756	chr22	39097154	0.003	0.053	JOSD1	TSS1500
cg17750334	chr1	214776613	0.003	0.053	CENPF;CENPF	1stExon;5'UTR
cg23116322	chr2	63276478	0.011	0.053	OTX1	TSS1500
cg07681419	chr7	75932007	0.005	0.053	HSPB1;HSPB1	5'UTR;1stExon
cg24193339	chr22	43583738	0.004	0.053	TLL12	TSS1500
cg08925398	chr1	202937011	0.014	0.053	CYB5R1	TSS1500
cg02725370	chr4	111551829	0.01	0.053	PITX2;PITX2	Body;Body
cg12879339	chr5	153418621	0.005	0.053	MFAP3;MFAP	5'UTR;5'UTR;TSS200;Body
cg26169020	chr10	97416671	0.006	0.053	ALDH18A1;ALU	TSS200;TSS200
cg16555142	chr16	432566	0.005	0.053	TMEM8A;LOC	TSS1500;Body
cg05012946	chr17	35305634	0.006	0.053	AATF	TSS1500
cg17238325	chr7	27292554	0.003	0.053	-	-
cg05845928	chr17	6458752	0.006	0.053	PITPNM3;PITP	Body;Body
cg19208539	chr6	91297352	0.005	0.053	MAP3K7;MAP	TSS1500;TSS1500;TSS1500;TSS1500
cg26146971	chr2	219757724	0.004	0.053	WNT10A	Body
cg21117734	chr20	9489749	0.006	0.053	-	-
cg05064645	chr7	55086868	0.006	0.053	EGFR;EGFR;EC	5'UTR;5'UTR;1stExon;1stExon;1stExon;5'UTR;1stExon;5'UTR
cg21059382	chr19	15236615	0.005	0.053	ILVBL	TSS200
cg18784565	chr17	78314035	-0.005	0.053	RNF213	Body
cg04807188	chr6	30457039	0.016	0.053	HLA-E	TSS1500
cg26787239	chr5	132008525	-0.009	0.053	IL4;IL4	TSS1500;TSS1500
cg20573242	chr4	122745356	0.008	0.053	CCNA2	TSS1500
cg19711602	chr12	258355	-0.007	0.053	IQSEC3;IQSEC	Body;Body
cg05667101	chr19	49176277	-0.008	0.053	NTNS;SEC1	TSS200;Body
cg20895698	chr22	38809016	0.014	0.053	-	-
cg16085649	chr15	86186011	-0.006	0.053	AKAP13;AKAP	Body;Body
cg25466090	chr1	2064691	0.007	0.053	PRKCZ;PRKCZ;	5'UTR;Body;5'UTR
cg26748024	chr6	42420298	0.022	0.053	TRERF1	TSS1500
cg24353392	chr17	43862247	0.016	0.053	CRHR1;CRHR1	Body;Body;Body
cg01063178	chr1	151763548	0.005	0.053	TDRKH;TDRKH	TSS1500;TSS1500;TSS1500;TSS1500
cg11982293	chr2	175205387	0.013	0.053	-	-
cg21553893	chr11	126081455	0.006	0.053	RPUSD4;RPUS	1stExon;1stExon;TSS200
cg20943339	chr7	97501484	0.005	0.053	ASNS;ASNS;AS	TSS200;5'UTR;5'UTR
cg10744434	chr19	14142769	0.009	0.053	IL27RA	1stExon
cg10289976	chr10	103874857	0.009	0.053	LDB1;LDB1	TSS200;Body
cg19840732	chr8	22723208	0.007	0.053	PEBP4	Body
cg27343001	chr19	16739049	0.016	0.053	MED26	TSS200
cg18921764	chr10	118923561	0.02	0.053	-	-
cg21419003	chr1	112048205	-0.021	0.053	ADORA3;ADO	Body;TSS1500;TSS1500
cg06800235	chr1	7692367	0.006	0.053	CAMTA1	Body
cg13243377	chr8	17103891	0.008	0.053	CNOT7;VPS37	5'UTR;TSS1500;TSS1500;5'UTR
cg14690220	chr19	37861935	0.004	0.053	ZNF527	TSS200
cg15372098	chr3	99537053	0.003	0.053	C3orf26;MIRS	Body;Body
cg16823406	chr12	57082179	0.006	0.053	PTGES3	TSS200
cg12489736	chr17	47307544	0.008	0.053	PHOSPHO1;Pi	5'UTR;5'UTR
cg11876013	chr3	159040317	0.015	0.053	SCHIP1	Body
cg03924805	chr2	242211663	0.01	0.053	HDLBP;HDLBP	5'UTR;5'UTR
cg03070095	chr17	80656113	0.006	0.053	RAB40B	Body
cg13448968	chr2	220406543	0.006	0.053	CHPF	Body
cg16236770	chr11	62573142	0.008	0.053	NXF1;NXF1	TSS200;TSS200
cg02984632	chr1	37980491	0.007	0.053	MEAF6	TSS200
cg11576101	chr7	5820542	0.01	0.053	RNF216;RNF2	5'UTR;5'UTR
cg24191463	chr14	57283315	0.03	0.054	OTX2OS1	Body
cg16476235	chr8	21771668	0.054	0.054	DOK2	TSS1500
cg15153049	chr22	50639340	0.004	0.054	SELO	TSS200

cg11282895	chr21	34914652	0.004	0.054	SON;SON;GAR TSS1500;TSS1500;TSS200;5'UTR;5'UTR;TSS200
cg27236825	chr15	80216052	0.019	0.054	C15orf37;ST2L Body;5'UTR;1stExon
cg10895489	chr20	56884691	0.006	0.054	RAB22A;PPP4I TSS200;TSS200
cg07297582	chr3	158288892	0.009	0.054	MLF1;MLF1;N TSS200;TSS200;TSS200
cg06728306	chr21	35445589	0.002	0.054	MRP56;SLC5A TSS1500;TSS1500
cg14236735	chr9	133536345	0.008	0.054	-
cg08726999	chr12	121444174	-0.012	0.054	C12orf43 3'UTR
cg23844967	chr2	43038158	0.015	0.054	-
cg19415162	chr19	37341373	0.006	0.054	ZNF345;ZNF34 1stExon;5'UTR
cg10282345	chr14	75745684	0.004	0.054	FOS;FOS 1stExon;5'UTR
cg26802294	chr1	70876801	0.003	0.054	CTH;CTH TSS200;TSS200
cg14933159	chr8	25904270	0.007	0.054	-
cg16686826	chr7	12148943	-0.006	0.054	-
cg24184350	chr6	11094094	0.005	0.054	LOC221710 TSS200
cg03513109	chr11	126138776	0.009	0.054	SRPR;FOXRED TSS200;TSS1500
cg00100399	chr7	48075844	0.009	0.054	C7orf57 5'UTR
cg14151426	chr13	113864409	0.007	0.054	CUL4A;PCID2; 5'UTR;TSS1500;TSS1500;TSS1500;Body
cg26920632	chr19	50094770	0.007	0.054	PRR12 TSS200
cg19555803	chr7	30068084	0.008	0.054	PLEKHA8 TSS1500
cg21745184	chr17	57697115	0.01	0.054	CLTC;CLTC 1stExon;5'UTR
cg00171084	chr1	110163175	0.006	0.054	AMPD2;AMPE Body;TSS200
ch.11.102874265	chr11	103369059	0.009	0.054	-
cg01537391	chr14	74769686	0.005	0.054	ABCD4;ABCD4 Body;5'UTR;1stExon
cg26836800	chr19	5997372	-0.003	0.054	RFX2;RFX2 Body;Body
cg03034864	chr1	234509241	0.008	0.054	C1orf31 TSS200
cg20295671	chr22	22090486	0.003	0.054	YPEL1 TSS1500
cg04811621	chr4	40058985	0.032	0.054	LOC344967;N TSS200;5'UTR
cg15933914	chr2	234544462	-0.005	0.054	UGT1A10;UGT1 TSS1500;Body
cg17868533	chr1	173837288	0.006	0.054	SNORD76;SNC TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
ch.22.318178101	chr22	33487810	0.006	0.054	-
cg05075268	chr22	19718750	0.032	0.054	-
cg05336698	chr10	102497298	0.004	0.054	-
cg17290076	chr6	155316912	0.01	0.054	-
cg17185401	chr1	110052093	0.01	0.054	AMIGO1;AMK 1stExon;5'UTR
cg10916998	chr6	30711832	0.012	0.054	FLOT1;IER3 TSS1500;Body
cg05953230	chr5	95997923	0.009	0.054	CAST;CAST;CA TSS200;TSS200;TSS200;TSS200;TSS200
cg09999907	chr19	17530609	0.007	0.054	FAM125A TSS1500
cg18679782	chr19	10216839	0.005	0.054	SNORD105;PP TSS1500;TSS1500;TSS200
cg24650353	chr7	75368337	0.002	0.054	HIP1 TSS200
cg18190164	chr22	30234456	0.006	0.054	ASCC2 TSS1500
cg10177647	chr16	71323317	0.015	0.054	FTSJD1;FTSJD1;5'UTR;1stExon;TSS200
cg18719294	chr11	110300575	0.005	0.054	FDX1 TSS200
cg13641293	chr17	80477477	0.008	0.054	FOXK2 TSS200
cg26373663	chr2	165698219	0.004	0.054	COBLL1 TSS1500
cg08673864	chr5	99870961	0.005	0.054	FAM174A TSS200
cg09671810	chr11	94501636	0.002	0.054	AMOTL1;AMC 1stExon;5'UTR
cg15185794	chr1	17446087	0.005	0.054	PADI2 TSS200
cg21206820	chr22	19718368	0.017	0.054	-
cg20878190	chr17	43210053	0.015	0.054	ACBD4;PLCD3 5'UTR;TSS200
cg04034539	chr11	62439802	0.022	0.054	C11orf48;C11 TSS1500;3'UTR
ch.17.10619372f	chr17	10678647	0.009	0.054	-
cg03585549	chr3	16926335	0.003	0.054	PLCL2 TSS200
cg05313009	chr22	29469033	0.008	0.054	KREMEN1;KRE TSS200;TSS200
cg03908015	chr10	124895441	0.005	0.054	HMX3 TSS200
cg19300632	chr2	55746645	0.014	0.054	CCDC104 TSS200
cg15177071	chr22	29601619	0.01	0.054	EMID1 TSS1500
cg07701375	chr4	144258077	0.004	0.054	GAB1;GAB1;G 5'UTR;1stExon;1stExon;5'UTR
cg10981580	chr1	236306767	0.01	0.054	GPR137B Body
cg01194073	chr14	101175302	-0.004	0.054	-
cg16996661	chr1	29507860	0.007	0.054	SFRS4 Body
cg16833167	chr17	66244018	0.01	0.054	AMZ2;AMZ2;TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg00431236	chr2	264988	0.016	0.054	ACP1;SH3YL1; 1stExon;TSS1500;1stExon;1stExon;Body;TSS1500
cg25314902	chr5	87971446	0.004	0.054	LOC645323;LC Body;Body
cg04176437	chr19	18747727	0.007	0.054	KLHL26 TSS200
cg10694959	chr1	32573640	0.005	0.054	KPNA6 TSS200
cg04929503	chr17	42836596	0.008	0.054	ADAM11 1stExon
cg22123542	chr1	120905163	0.039	0.054	HIST2H2BA TSS1500
cg08252871	chr12	42534866	-0.007	0.054	GXYLT1;GXYLT1 Body;Body
cg14097294	chr1	167523100	0.009	0.054	CREG1 TSS200
cg23306229	chr2	178417860	0.003	0.054	TTC30B TSS1500
cg00918522	chr4	175132871	0.006	0.054	-
cg16326819	chr2	118771837	0.005	0.054	CCDC93 TSS200
cg12240761	chr11	2913334	0.017	0.054	SLC22A18AS Body
cg07047920	chr16	2802315	0.007	0.054	SRRM2;LOC10 TSS200;Body
cg25918303	chr11	106889334	0.006	0.054	GUCY1A2 TSS200
cg26513854	chr5	141295517	-0.004	0.054	-
cg16183450	chr3	184429783	0.005	0.054	MAGEF1;MAC 1stExon;5'UTR
cg18350895	chr14	30397419	0.01	0.054	PRKD1 TSS1500
cg20304583	chr12	65003992	0.004	0.054	RASSF3 TSS1500
cg00798428	chr4	84205382	0.009	0.054	COQ2 Body
cg03774732	chr19	39882194	0.008	0.054	MED29;PAF1 1stExon;TSS1500
cg03740978	chr18	24127875	0.006	0.054	KCTD1;KCTD1 5'UTR;5'UTR;1stExon
cg25278187	chr17	46102509	0.005	0.054	-
cg10508940	chr22	50689915	0.004	0.054	HDAC10;HDA(TSS200;TSS200
cg15973075	chr5	12355075	-0.005	0.054	-
cg05021743	chr1	151810893	0.007	0.054	C2CD4D;LOC1 Body;TSS200
cg13467950	chr10	74033549	0.02	0.054	DDIT4 TSS200
cg15428578	chr15	33603312	0.004	0.054	RYR3 Body
cg25680916	chr3	53916015	0.02	0.054	ACTR8 1stExon
cg06959626	chr5	138739878	0.005	0.054	SPATA24 TSS200
cg11232005	chr2	69614317	0.003	0.054	GFPT1;GFPT1 1stExon;5'UTR
cg01301637	chr3	13919811	0.002	0.054	WNT7A Body
cg24706251	chr8	1821404	-0.004	0.054	ARHGEF10 Body
cg05952643	chr9	132597404	0.024	0.054	C9orf78;USP2 Body;TSS1500;TSS1500;TSS1500
cg25241322	chr17	6939304	0.005	0.054	SLC16A13 TSS200
cg04285295	chr8	91013428	0.004	0.054	DECR1 TSS200
cg18978324	chr14	24740937	0.005	0.054	RABGGTA;RAE TSS200;TSS200
cg05521942	chr6	26312804	0.009	0.054	-
cg12926104	chr7	19157339	0.004	0.054	TWIST1 TSS200
cg20149937	chr19	3465709	-0.01	0.054	-
cg05893300	chr1	46767565	0.009	0.054	LRRCA1 Body
cg13467399	chr9	133588111	0.011	0.054	ABL1 TSS1500
cg08914740	chr5	147443284	-0.003	0.054	SPINK5;SPINK(TSS1500;TSS1500;TSS1500
cg05593139	chr1	235818079	-0.003	0.054	-
cg26174807	chr4	159992037	-0.004	0.054	-

cg10953498	chr11	208469	0.019	0.054	RIC8A;BET1L;TSS200;TSS1500;TSS1500
cg22582392	chr4	160024851	0.012	0.054	-
cg19695599	chr13	50509902	0.007	0.054	C13orf1;C13orf1;Body;Body;Body
cg07036561	chr15	42118869	0.008	0.054	JMJD7;MAPK6TSS1500;3'UTR;3'UTR;TSS1500;TSS1500
cg22068038	chr15	65578960	0.009	0.054	PARP16;PARP 5'UTR;1stExon
cg04349311	chr1	52521202	0.004	0.054	TXNDC12;BTF.TSS200;TSS1500;TSS1500
cg03055492	chr2	64068493	0.005	0.054	UGP2;UGP2 TSS1500;5'UTR
cg11130317	chr14	103739856	0.013	0.054	-
cg01869243	chr2	233350363	0.005	0.054	ECELL1 Body
cg02461691	chr2	215674836	0.011	0.054	BARD1 TSS1500
cg00231521	chr19	52643038	0.009	0.054	ZNF616;ZNF61 1stExon;5'UTR
cg05467167	chr17	45000793	0.002	0.054	GOSR2;GOSR2 Body;Body;Body
cg25713821	chr19	19144597	0.004	0.054	SFRS14;ARMC TSS1500;1stExon;5'UTR;TSS1500
cg09508770	chr1	107684255	0.007	0.054	NTNG1;NTNG 5'UTR;5'UTR;5'UTR
cg00500333	chr2	105489930	0.004	0.054	-
cg08857308	chr19	3185545	0.007	0.054	NCLN TSS1500
cg14355889	chr17	27476022	0.006	0.054	MYO18A;MYC Body;Body
cg11095277	chr14	50151270	-0.006	0.054	POLE2 Body
cg23068548	chr10	76995807	0.011	0.054	COMTD1 TSS200
cg00592063	chr2	71295358	0.01	0.054	NAGK TSS200
cg27040385	chr19	46000339	0.021	0.054	RTN2;FLJ4012 TSS200;TSS1500;TSS200
cg16669877	chr6	44041170	0.004	0.054	-
cg11775611	chr11	2422398	0.004	0.054	TSSC4 TSS1500
cg14362758	chr9	139090991	0.011	0.054	LHX3;LHX3 Body;Body
cg24927883	chr15	89973967	0.007	0.054	-
cg08434152	chr2	74405770	0.003	0.054	MOBK1B Body
cg03128534	chr1	43423976	0.005	0.054	SLC2A1 Body
cg20909656	chr7	14029360	0.008	0.054	ETV1;ETV1;ET 1stExon;5'UTR;5'UTR;5'UTR;1stExon;5'UTR
cg04110601	chr10	48438724	0.004	0.054	GDF10;GDF10 5'UTR;1stExon
cg01991305	chr12	95611539	0.003	0.054	VEZT;VEZT;FG 1stExon;5'UTR;TSS1500
cg13588640	chr5	77071865	0.006	0.054	TBCA Body
cg10689528	chr8	97169767	0.002	0.054	GDF6 Body
cg19327614	chr9	3181772	0.012	0.054	-
cg15106925	chr6	108169535	0.011	0.054	-
cg01441359	chr12	6976279	0.006	0.054	TP11;TP11;TP11 TSS1500;TSS1500;TSS1500
cg22777326	chr4	13546316	0.01	0.054	NKX3-2 TSS1500
cg26707263	chr2	241526101	0.006	0.054	CAPN10;CAPN TSS200;TSS200;TSS200;TSS200
cg06196978	chr18	32621227	0.004	0.054	MAPRE2;MAP TSS200;5'UTR;TSS200;Body
cg00482248	chr7	73589137	0.008	0.054	EIF4H;EIF4H Body;Body
cg23959519	chr14	75762018	0.008	0.054	-
cg22628889	chr10	124768896	0.006	0.054	IKZF5;ACADSB TSS1500;Body
cg21727117	chr19	2269525	0.008	0.054	OAZ1;OAZ1 5'UTR;1stExon
cg12086464	chr4	2814064	0.004	0.054	SH3BP2;SH3B1 1stExon;5'UTR;5'UTR
cg02305261	chr20	49638967	0.008	0.054	KCNG1 5'UTR
cg10955973	chr11	19366714	0.007	0.054	-
cg11467680	chr2	817308	-0.006	0.054	-
cg00797030	chr17	8151304	0.006	0.054	PFAS;C17orf61 TSS1500;Body
cg11338666	chr17	3539646	0.005	0.054	CTNS;SHPK;CT TSS200;TSS200;TSS200
cg00329039	chr4	96470053	0.005	0.054	UNC5C;UNC5C 5'UTR;1stExon
cg20357910	chr2	160919149	0.004	0.054	PLA2R1;PLA2F TSS200;TSS200
cg24470737	chr19	984166	0.005	0.054	WDR18 TSS200
cg06634473	chr14	88792937	0.015	0.054	KCNK10;KCNK 1stExon;5'UTR
cg23641145	chr11	101000566	0.01	0.054	PGR TSS200
cg00163784	chr1	61549010	0.01	0.054	NFIA;NFIA;NFI Body;Body;Body;Body
cg05198596	chr12	113591127	0.004	0.054	CCDC42B Body
cg18912792	chr13	92000667	0.006	0.054	MIR17HG;MIR Body;Body
cg26480745	chr17	7184899	0.019	0.054	SLC2A4 TSS200
cg01993111	chr12	8175366	-0.002	0.054	-
cg09611642	chr16	29999005	-0.022	0.054	TAOK2;TAOK2 Body;Body
cg11972401	chr2	10830636	0.027	0.054	NOL10 TSS1500
cg01437571	chr19	33792148	0.007	0.054	CEBPA;CEBPA 3'UTR;1stExon
cg17683593	chr11	61283872	0.046	0.054	SYT7 3'UTR
cg16909570	chr11	66139869	0.008	0.054	SLC29A2 TSS1500
cg03279443	chr10	76971052	0.003	0.054	VDAC2 Body
cg24504986	chr5	176449842	0.004	0.054	ZNF346 1stExon
cg14716208	chr3	52089752	0.011	0.054	DUSP7 Body
cg24360651	chr19	14586317	0.003	0.054	PTGER1 TSS200
cg15434403	chr3	113775581	0.002	0.054	KIAA1407;QTF TSS200;TSS200
cg15597424	chr4	24472487	0.012	0.054	-
cg22774379	chr19	2269889	0.005	0.054	OAZ1 Body
cg04986989	chr1	146714493	0.007	0.054	CHD1L Body
cg16637941	chr16	58035216	0.005	0.054	C16orf57;ZNF.TSS200;TSS1500
cg11459006	chr10	103986047	0.006	0.054	ELOVL3 TSS200
cg06907744	chr2	43454761	0.004	0.054	ZFP36L2;LOC1 TSS1500;Body
cg15737398	chr10	90639829	0.005	0.054	STAMBPL1 TSS200
cg21100375	chr3	128903409	0.006	0.054	CNBP;CNBP;CI TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg18760920	chr15	6817265	0.01	0.054	-
cg11111214	chr2	179672691	-0.007	0.054	TTN;TTN;TTN; TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg01829990	chr1	116185304	0.005	0.054	VANGL1 5'UTR
cg21238221	chr14	68162436	0.008	0.054	RDH11;RDH11 1stExon;5'UTR
cg07673181	chr20	32251806	0.011	0.054	NECAB3;NECA Body;Body
cg23681664	chr3	9746637	0.007	0.054	CPNE9 Body
cg04453677	chr3	52489323	0.015	0.054	TNNC1;NISCH TSS1500;TSS200
cg26457116	chr6	32166811	-0.011	0.054	NOTCH4 Body
cg10957166	chr12	122238218	0.008	0.054	LOC338799 Body
cg15664069	chr6	2989243	0.018	0.054	DKFZP6861152 Body;Body
cg21523528	chr20	32077966	0.005	0.054	CBFA2T2;CBF1 1stExon;5'UTR
cg12544106	chr2	202507780	0.012	0.054	ALS2CR4;ALS2 Body;TSS1500
cg17715243	chr10	1156212	0.054	0.054	WDR37 Body
cg23737229	chr21	28218646	0.004	0.054	ADAMTS1 TSS1500
cg13462232	chr20	17551166	0.007	0.054	DSTN;DSTN Body;5'UTR
cg13436799	chr2	170218997	0.002	0.054	LRP2;LRP2 1stExon;5'UTR
cg07394347	chr3	37285773	0.003	0.054	GOLGA4 Body
cg01646019	chr11	46265076	0.011	0.054	-
cg20966439	chr3	98241654	0.008	0.054	CLDND1;CLDN 5'UTR;Body;Body;5'UTR;5'UTR;1stExon;5'UTR
cg26817382	chr7	44621808	0.006	0.054	TMED4;TMED 1stExon;5'UTR
cg00799171	chr5	123987737	0.002	0.054	ZNF608 Body
cg260005082	chr19	4769660	0.003	0.054	MIR7-3;C19or TSS1500;Body
cg25144893	chr1	63792210	0.04	0.054	-
cg02043951	chr10	126138623	0.003	0.054	NKX1-2 TSS200
cg23380397	chr14	98661384	-0.003	0.054	-
cg13860981	chr9	19104008	-0.016	0.054	HAUS6 TSS1500
cg26893816	chr5	33997223	-0.003	0.054	AMACR;AMAC Body;3'UTR;3'UTR;Body;Body
cg00776464	chr1	162039314	0.006	0.054	NOS1AP;NOS1 TSS1500;TSS1500
cg26148377	chr1	153605715	-0.005	0.054	C1orf77;S100 TSS1500;5'UTR

cg24684468	chr20	443316	0.005	0.054	TBC1D20	TSS200
cg17876200	chr1	161067927	0.003	0.054	KLHDC9;KLHD TSS1500;TSS1500;TSS1500	
cg27039515	chr5	54520897	-0.019	0.054	-	
cg00176888	chr17	56408804	0.01	0.054	MIR142	TSS200
cg14515250	chr17	18086444	0.004	0.054	ALKBH5	TSS1500
cg12074154	chr1	181074635	0.004	0.054	-	
cg21564235	chr17	46688182	0.007	0.054	HOXB7	1stExon
cg18223153	chr7	540667	-0.003	0.054	PDGFA;PDGFA Body;Body	
cg22036432	chr4	83719566	0.013	0.054	SCD5;SCD5	1stExon;1stExon
cg19594156	chr17	37307524	0.009	0.054	PLXDC1	Body
cg08193085	chr2	197795158	-0.021	0.054	-	
cg11079048	chr10	118765220	0.016	0.054	KIAA1598;KIA TSS200;TSS200	
cg07961283	chr21	36261057	0.021	0.054	RUNX1;RUNX TSS200;TSS200;Body	
cg16416578	chr6	33252677	-0.003	0.054	WDR46;WDR4 Body;Body	
cg13722651	chr19	32836832	0.03	0.054	ZNF507;ZNF5 5'UTR;5'UTR	
cg07811940	chr1	46828259	-0.004	0.054	NSUN4	3'UTR
cg03168296	chr9	140317011	0.007	0.054	NOXA1;EXD3 TSS1500;5'UTR	
cg00932688	chr16	46865499	0.009	0.054	C16orf87	TSS1500
cg22636316	chr11	6624756	0.012	0.054	ILK;ILK;RRP8;I TSS1500;TSS1500;5'UTR;TSS1500;1stExon	
cg05450995	chr12	122460105	0.006	0.054	BCL7A;BCL7A Body;Body	
cg10984505	chr6	36410951	0.004	0.054	PXT1;KCTD20 TSS1500;5'UTR	
cg13042129	chr5	159739397	0.01	0.054	CCNJL;CCNJL 1stExon;5'UTR	
cg15739309	chr8	1711235	0.004	0.054	CLN8	TSS1500
cg11387705	chr7	22122473	0.005	0.054	-	
cg26888517	chr16	89314117	0.007	0.054	-	
cg18064474	chr15	60885021	0.005	0.054	RORA;RORA;R Body;Body;TSS1500;Body	
cg22825979	chr13	50571203	0.011	0.054	TRIM13;TRIM 1stExon;5'UTR;5'UTR;5'UTR;1stExon;Body;1stExon;5'UTR;1stExon	
cg13959152	chr12	100535986	0.005	0.054	UHRF1BP1;U Body;Body	
cg17113216	chr4	83821792	0.019	0.054	THAP9	TSS200
cg00964109	chr15	74753785	0.003	0.054	UBL7;UBL7 TSS1500;TSS1500	
cg21921016	chr8	42330638	-0.006	0.054	SLC20A2	5'UTR
cg21170836	chr14	105812713	-0.003	0.054	PACS2;PACS2 Body;Body	
cg00680003	chr6	30523449	0.027	0.054	GNL1;PRR3;PF Body;TSS1500;TSS1500	
cg06459724	chr1	205745431	-0.005	0.054	RAB7L1;RAB7 TSS1500;TSS1500;TSS1500;TSS1500	
cg05449474	chr6	33161121	0.004	0.054	COL11A2;COL TSS1500;TSS1500;TSS1500;TSS1500	
cg26039848	chr7	149571107	0.006	0.054	LOC401431;A TSS200;1stExon;1stExon	
cg18865999	chr2	70485303	0.005	0.054	PCYOX1	1stExon
cg11690370	chr5	6633132	0.005	0.054	NSUN2;NSUN 1stExon;5'UTR;TSS1500	
cg19476016	chr17	76374525	0.005	0.054	PGS1	TSS1500
cg05872609	chr4	184930905	-0.002	0.054	STOX2	Body
cg26725274	chr18	29265487	0.005	0.054	B4GALT6	TSS1500
cg03238738	chr21	34852281	0.013	0.054	TMEM50B	TSS200
cg14341449	chr11	18034693	0.004	0.054	SERGEF	TSS200
cg11318307	chr19	9695355	0.002	0.054	ZNF121	TSS200
cg17047659	chr7	27219704	0.012	0.054	HOXA10;HOX 1stExon;5'UTR	
cg05505929	chr12	72148416	0.005	0.054	RAB21	TSS1500
cg09825845	chr15	41245510	0.009	0.054	CHAC1;CHAC1 TSS200;TSS200	
cg07589081	chr19	2236313	0.004	0.054	PLEKH11;PLEK 5'UTR;1stExon;TSS1500	
cg20885078	chr2	179278530	0.003	0.054	MIR548N	Body
cg04753668	chr17	8534404	0.007	0.054	MYH10	TSS1500
cg16546622	chr11	67798532	0.012	0.054	NDUFS8	5'UTR
cg20034209	chr17	66287369	0.027	0.054	ARS3;SLC16A 5'UTR;5'UTR;1stExon	
cg14653418	chr10	32217953	0.005	0.054	ARHGAP12	TSS200
cg14278575	chr12	40618782	0.01	0.054	LRRK2	TSS200
cg16781275	chr4	135248854	-0.01	0.054	-	
cg18500286	chr4	87855942	0.008	0.054	AFF1	TSS1500
cg23307218	chr19	11616766	0.008	0.054	ECSIT;ZNF653; 3'UTR;TSS200;3'UTR;Body;3'UTR	
cg13741249	chr19	56112088	0.007	0.054	FIZ1;ZNF524 TSS1500;5'UTR	
cg16874743	chr3	38664022	-0.004	0.054	SCN5A;SCN5A Body;Body;Body;Body;Body;Body	
cg11054631	chr12	72667493	0.016	0.054	LOC283392;T TSS1500;Body;TSS1500	
cg08576104	chr12	66562945	0.006	0.054	TMBIM4	Body
cg02045177	chr11	65383549	0.003	0.054	PCNXL3	TSS1500
cg17169123	chr12	56123529	0.003	0.054	CD63;CD63 TSS1500;TSS1500	
cg12492276	chr12	109204605	-0.009	0.054	SSH1;SSH1;S S1Body;Body;Body	
cg26068413	chr5	112256918	0.007	0.054	REEP5	Body
cg20744152	chr17	21187768	0.009	0.054	MAP2K3	TSS200
cg04071427	chr10	70091481	0.016	0.054	HNRNP3;PBI TSS1500;5'UTR;5'UTR;TSS1500	
cg04826516	chr16	1401898	0.006	0.054	C16orf42;GNP TSS200;TSS200	
cg23398385	chr3	130465764	0.01	0.054	PIK3R4	TSS200
cg02718531	chr16	2932507	0.015	0.054	FLYWCH2;FLY TSS1500;TSS1500;TSS1500	
cg13723551	chr7	16511803	-0.005	0.054	-	
cg14302662	chr12	113623332	0.006	0.054	C12orf52;DDX TSS1500;TSS200;TSS200	
cg04792715	chr3	49058577	0.011	0.054	MIR191;DALR TSS1500;TSS200;TSS1500;TSS1500;TSS200;TSS1500;5'UTR	
cg03075736	chr3	52444632	0.003	0.054	PHF7;PHF7;P 1stExon;5'UTR;5'UTR;TSS1500;1stExon	
cg13854399	chr2	203736430	0.005	0.054	ICA1L;ICA1L TSS200;TSS1500	
cg15573359	chr19	11877661	0.008	0.054	ZNF441	TSS200
cg09313917	chr1	57111387	0.011	0.054	PRKAA2	Body
cg05768582	chr16	30934727	0.004	0.054	NCRNA00095; TSS200;TSS1500	
cg16568056	chr17	72832223	-0.005	0.054	TMEM104	Body
cg07150445	chr14	29235448	0.007	0.054	FOXG1	TSS1500
cg22487624	chr1	115212681	0.007	0.054	DENND2C;DEF 1stExon;5'UTR	
cg17199681	chr17	3540328	0.03	0.054	CTNS;SHPK;CT 5'UTR;TSS1500;5'UTR	
cg26551843	chr14	75390007	0.008	0.054	RPS6KL1	TSS1500
cg21249376	chr9	27528432	0.003	0.054	MOBKLB2	5'UTR
cg10386431	chr1	77879031	-0.052	0.054	AK5;AK5 Body;Body	
cg20736065	chr17	55334276	0.007	0.054	MSI2;MSI2 Body;TSS200	
cg10512292	chr12	4378267	0.004	0.054	-	
cg05766667	chr16	11350740	0.011	0.054	SOCS1	TSS1500
cg00260911	chr2	239509305	-0.008	0.054	-	
cg08617916	chr1	206730453	0.008	0.054	RASSF5;RASSF Body;TSS200;Body	
cg05120042	chr17	38572252	-0.013	0.054	TOP2A	Body
cg25809841	chr19	51162684	0.006	0.054	-	
cg09349094	chr1	2323068	0.005	0.054	MORN1;RER1 TSS200;TSS200	
cg03208817	chr2	25599894	0.01	0.054	-	
cg14263924	chr6	33163202	-0.005	0.054	RXR8	Body
cg14408814	chr22	41032829	0.005	0.054	MKL1	TSS200
cg04092393	chr11	3186929	0.02	0.054	OSBP15;OSBP TSS1500;TSS1500;TSS1500	
cg09650414	chr2	153574329	0.04	0.054	ARL6IP6;ARL6 TSS200;TSS200;TSS1500	
cg22829799	chr22	47074810	-0.01	0.054	GRAMD4	3'UTR
cg09230442	chr15	65809997	0.031	0.054	DPP8;DPP8;D 1stExon;1stExon;5'UTR;1stExon;TSS1500;5'UTR;5'UTR	
cg06022942	chr10	8095484	0.003	0.054	FLJ45983;GAT TSS200;TSS1500;TSS1500;TSS200	
cg12691373	chr17	79670378	0.005	0.054	MRPL12	TSS200
cg04264417	chr11	65769689	0.004	0.054	BANF1;BANF1 1stExon;5'UTR;TSS200;5'UTR;1stExon	
cg01077764	chr3	13692042	0.015	0.054	LOC285375	TSS200
cg07626339	chr5	138630455	0.007	0.054	MATR3;MATR 5'UTR;5'UTR	

cg10189607	chr4	184719753	0.003	0.054	-	-
cg00188822	chr20	44044780	0.014	0.054	PIGT;PIGT	5'UTR;1stExon
cg06355010	chr20	13202489	0.005	0.054	ISM1	1stExon
cg14849526	chr14	100842590	0.005	0.054	WDR25;WDR2	TSS200;TSS1500;5'UTR;TSS1500;5'UTR;TSS1500
cg03503179	chr22	24950379	0.007	0.054	C22orf13;SNR	Body;TSS1500
cg26770445	chr6	27247876	0.01	0.054	-	-
cg03490711	chr3	187459194	0.004	0.054	BCL6	5'UTR
cg14534464	chr7	26191633	0.006	0.054	NFE2L3	TSS1500
cg01887804	chr15	40697568	0.046	0.054	IVD;IVD	TSS200;TSS200
cg27370131	chr2	190306182	0.006	0.054	WDR75;WDR7	5'UTR;1stExon
cg09981407	chr17	2699505	0.006	0.054	RAP1GAP2;RA	TSS1500;TSS1500
cg09723155	chr17	79633271	0.011	0.054	C17orf90;CCD	Body;TSS1500
cg07375840	chr15	96900143	0.004	0.054	-	-
cg12099546	chr15	72763849	-0.004	0.054	-	-
cg12941161	chr10	112290002	0.011	0.054	-	-
cg06493829	chr20	39766765	0.03	0.054	PLCG1;PLCG1	Body;Body
cg26913927	chr10	103880114	0.004	0.054	LDB1;LDB1	5'UTR;1stExon
cg01992990	chr1	202780680	0.007	0.054	-	-
cg05214042	chr19	41870225	0.003	0.054	B9D2;TMEM9	TSS200;5'UTR
cg20461541	chr11	76092535	0.004	0.054	PRKRIR	TSS1500
cg07007882	chr1	2517512	0.007	0.054	C1orf93	TSS1500
cg12890388	chr20	10412709	-0.009	0.054	MKKS;MKKS	5'UTR;TSS200
cg03274021	chr8	130952480	0.009	0.054	FAM49B	TSS1500
cg10303487	chr8	105479058	0.002	0.054	DPYS	1stExon
cg18858717	chr14	90863402	0.004	0.054	CALM1;CALM	1stExon;5'UTR;TSS1500
cg02294649	chr17	46723915	0.011	0.054	-	-
cg07634150	chr19	36606392	0.006	0.054	POLR21;TBCB	;TSS200;1stExon;5'UTR
cg15228928	chr13	112727521	0.009	0.054	-	-
cg18591727	chr10	8277320	-0.014	0.054	-	-
cg03066979	chr11	14402815	0.009	0.054	-	-
cg12315302	chr6	26189340	0.005	0.054	HIST1H4D	TSS200
cg24488218	chr6	33239779	0.025	0.054	VPSS2;RPS18	TSS200;TSS200
cg11422337	chr3	128369796	0.003	0.054	RPN1	TSS200
cg13725958	chr17	48712219	0.023	0.054	ABCC3;ABCC3	5'UTR;1stExon;5'UTR;1stExon
cg13479358	chr6	28603052	0.029	0.054	-	-
cg23110832	chr17	74261128	0.003	0.054	FAM100B	TSS200
cg18607849	chr17	78803435	-0.012	0.054	RPTOR;RPTOR	Body;Body
cg26656208	chr6	157008139	0.004	0.054	-	-
cg16263825	chr3	114866835	0.006	0.054	ZBTB20	TSS1500
cg02008544	chr8	22926600	0.049	0.054	TNFRSF10B;TN	5'UTR;1stExon;5'UTR;Body;1stExon
cg20184732	chr9	100565953	0.011	0.054	-	-
cg00621913	chr20	17206999	0.022	0.054	PCSK2	TSS1500
cg25091678	chr3	150481409	0.02	0.054	SIAH2	TSS200
cg15790037	chr17	37321490	0.005	0.054	ARL5C	Body
cg19294125	chr20	25604737	0.008	0.054	NANP	TSS200
cg06366833	chr4	183710473	-0.006	0.054	ODZ3	Body
cg02725290	chr6	10837710	0.008	0.054	-	-
cg25754733	chr19	640965	-0.004	0.054	FGF22	Body
cg04035031	chr22	46067830	0.003	0.054	ATXN10;ATXN	1stExon;1stExon;5'UTR;5'UTR
cg25346193	chr19	20149831	0.007	0.054	ZNF682;ZNF6	5'UTR;Body
cg07258794	chr16	326049	0.004	0.054	RGS11;RGS11	TSS200;TSS200
cg02538089	chr4	4250085	0.005	0.054	TMEM128	TSS200
cg04575016	chr3	69063057	0.003	0.054	C3orf64	TSS1500
cg13979873	chr12	2999833	0.003	0.054	TULP3;TULP3	TSS200;TSS200
cg22642477	chr17	5488162	0.013	0.054	NLRP1;NLRP1	;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg03485262	chr14	92980031	0.005	0.054	RIN3	TSS200
cg07391498	chr1	205290332	0.006	0.054	NUAK2	Body
ch.12.921532091	chr12	93629078	0.012	0.054	-	-
cg00940261	chr14	95786011	0.009	0.054	CLMN	Body
cg11318576	chr5	130599431	0.008	0.054	CDC42SE2;CD	;TSS1500;TSS1500
cg09588555	chr1	41847668	0.006	0.054	-	-
cg08246527	chr1	150336743	0.01	0.054	RPRD2	TSS1500
cg25947544	chr3	62861145	0.013	0.054	CADPS;CADPS	TSS200;TSS200;TSS200
cg01138530	chr22	39097540	0.011	0.054	JOSD1	TSS1500
cg25138017	chr2	223520626	0.01	0.054	FAR5B	Body
cg19434936	chr9	35658452	0.003	0.054	CCDC107;RMF	1stExon;TSS1500
cg02255454	chr3	176635508	-0.004	0.054	-	-
cg25326896	chr11	61582785	0.003	0.054	MIR1908;FAD	;TSS200;Body
cg12007192	chr4	185396161	0.007	0.054	IRF2	TSS1500
cg19880899	chr2	64067976	0.004	0.054	UGP2;UGP2	TSS1500;TSS200
cg14865129	chr6	3229530	0.01	0.054	-	-
cg00463551	chr5	61708395	0.009	0.054	IPO11	TSS200
cg24300475	chr12	3601514	0.011	0.054	PRMT8	Body
cg26916470	chr14	32546448	0.011	0.054	ARHGAP5;ARH	TSS200;TSS200;TSS1500
cg01630362	chr11	71163528	0.013	0.054	NADSYN1	TSS1500
ch.15.1681270R	chr15	95503081	0.01	0.054	-	-
cg02766594	chr14	21979654	0.003	0.055	METTL3	TSS200
cg12673726	chr10	101606026	0.008	0.055	ABCC2	Body
cg17249942	chr21	45660288	0.003	0.055	ICOSLG	Body
cg02371408	chr5	82767280	0.005	0.055	VCAN;VCAN;V	TSS1500;TSS1500;TSS1500;TSS1500
cg02773337	chr10	3171970	-0.004	0.055	PFKP	Body
cg10437806	chr12	21680508	0.004	0.055	C12orf39	Body
cg13149600	chr21	43374220	0.007	0.055	C2CD2	TSS1500
cg12598803	chr3	170626541	0.015	0.055	EIF5A2	TSS200
cg15133540	chr2	210867743	0.004	0.055	RPE;RPE	5'UTR;Body
cg26666512	chr16	30934656	0.006	0.055	NCRNA00095	;TSS200;TSS1500
cg09591663	chr6	97346077	0.003	0.055	NDUFA4	TSS1500
cg16490176	chr10	75670766	0.028	0.055	PLAU;C10orf5	TSS200;3'UTR;TSS200
ch.4.11741141R	chr4	12132043	0.006	0.055	-	-
cg18315896	chr5	112043131	0.008	0.055	APC	TSS200
cg01884537	chr3	9005400	0.059	0.055	RAD18	TSS1500
cg12326934	chr14	24657962	0.011	0.055	IPO4	1stExon
cg08535515	chr1	244816088	0.004	0.055	PPPDE1	TSS1500
cg22785750	chr14	23067727	0.007	0.055	ABHD4	Body
cg13590336	chr15	57210395	0.008	0.055	LOC145783;T	(Body;TSS1500;TSS1500;TSS1500;TSS1500
cg04072768	chr2	54683502	0.015	0.055	SPTBN1;SPTB	1'5'UTR;1stExon
cg22994272	chr14	104346241	0.015	0.055	-	-
cg10453823	chr2	190539512	0.006	0.055	ANKAR	TSS1500
cg02576345	chr2	37311098	0.018	0.055	CCDC75;HEAT	TSS1500;5'UTR
cg03243700	chr9	137000940	0.004	0.055	WDR5	TSS1500
cg00748427	chr14	54357994	-0.009	0.055	-	-
cg02366059	chr18	21017616	0.005	0.055	C18orf45	Body
cg00731917	chr18	60263973	0.007	0.055	-	-
cg05880372	chr2	131863352	0.003	0.055	PLEKHB2;PLEK	5'UTR;5'UTR
cg25065205	chr1	233086286	0.005	0.055	C1orf57	TSS200

cg07994987	chr6	6007769	0.006	0.055	NRN1	TSS200
cg15807180	chr15	74907231	0.006	0.055	CLK3;CLK3	TSS200;5'UTR
cg26429856	chr1	184005990	0.007	0.055	GLT25D2	Body
cg16218377	chr11	34073324	0.005	0.055	CAPRIN1;CAP1	1stExon;1stExon;5'UTR;5'UTR
cg11169461	chr2	224904347	0.005	0.055	SERPINE2;SER	TSS1500;TSS1500;TSS1500
cg20476319	chr12	104457893	0.006	0.055	HCFC2	TSS1500
cg14301129	chr2	27546269	0.006	0.055	MPV17	TSS1500
cg06258179	chr7	92463261	0.006	0.055	CDK6;CDK6	5'UTR;TSS200
cg19463078	chr4	122099598	-0.041	0.055	TNIP3	5'UTR
cg21897413	chr5	176944084	0.006	0.055	DDX41	TSS200
cg04350913	chr3	192126584	0.02	0.055	FGF12;FGF12;	5'UTR;1stExon;Body
cg03067599	chr19	35225401	0.004	0.055	ZNF181;ZNF181	TSS200;TSS200
cg05029193	chr1	78148830	0.002	0.055	ZZZ3	TSS1500
cg09480307	chr16	77756392	0.005	0.055	NUDT7;NUDT	TSS200;TSS200
cg00528549	chr11	65487941	0.005	0.055	RNASEH2C	Body
cg12911476	chr7	135347588	0.003	0.055	PL-5283	Body
cg19108952	chr15	42840882	0.006	0.055	HAUS2;LRRC5	TSS200;5'UTR;TSS200
cg23116115	chr4	1004261	0.028	0.055	FGFRL1;FGFRL	TSS1500;TSS1500
cg21120664	chr21	44299807	0.023	0.055	WDR4;WDR4	TSS200;TSS200
cg11986813	chr10	43429144	0.004	0.055	-	-
cg11079189	chr4	108910929	0.007	0.055	HADH	TSS200
cg13473120	chr9	126776767	0.008	0.055	LHX2	Body
cg07298940	chr7	113854656	-0.007	0.055	-	-
cg17898823	chr4	25032472	0.006	0.055	LG12	TSS200
cg09434803	chr4	26863372	0.011	0.055	STIM2;STIM2;	Body;Body;Body
cg06523128	chr11	71159708	0.004	0.055	DHCR7;DHCR7	TSS1500;TSS1500
cg05477457	chr4	169799308	0.008	0.055	PALLD;PALLD;	Body;Body;Body;Body
cg17012202	chr6	31830656	0.022	0.055	NEU1;NEU1	5'UTR;1stExon
cg01925962	chr2	27193339	0.004	0.055	MAPRE3	TSS200
cg08940511	chr2	241922778	0.006	0.055	-	-
cg16133638	chr2	65283407	0.004	0.055	CEP68	TSS200
cg07168392	chr1	86861658	0.006	0.055	ODF2L;ODF2L	5'UTR;5'UTR
cg23597430	chr20	36719030	-0.004	0.055	RPDR1B	3'UTR
cg17833862	chr7	73790277	-0.007	0.055	CLIP2;CLIP2	Body;Body
cg03369382	chr7	139427635	-0.007	0.055	HIPK2;HIPK2	Body;Body
cg15435046	chr6	42713936	0.003	0.055	TBCC	TSS200
cg19195609	chr12	123464932	0.004	0.055	ARL6IP4;ARL6	1stExon;5'UTR;5'UTR;1stExon;5'UTR;5'UTR;1stExon;1stExon
cg07896312	chr8	22409062	0.004	0.055	SORBS3	TSS200
cg06193393	chr7	99869454	0.011	0.055	GATS;GATS;G	Body;Body;Body;Body
cg02936919	chr1	224371608	0.011	0.055	DEGS1;DEGS1	Body;Body
cg16260696	chr11	67171200	0.006	0.055	TBC1D10C	TSS1500
cg21345510	chr15	67358094	0.006	0.055	SMAD3	TSS200
cg17279942	chr12	111499763	-0.005	0.055	CUX2	Body
cg04062391	chr19	9609204	0.003	0.055	ZNF560	5'UTR
cg20577019	chr1	150123077	0.002	0.055	PLEKHO1	Body
cg00122840	chr5	36151998	0.004	0.055	LMBRD2;SKP2	1stExon;TSS200;TSS200;5'UTR
cg18432572	chr5	156737087	-0.009	0.055	CYFIP2;CYFIP2	Body;Body;Body
cg24658158	chr1	93645831	0.006	0.055	TMED5;TMED	1stExon;Body;1stExon;TSS200;5'UTR;5'UTR
cg12595349	chr1	145611001	0.004	0.055	POLR3C;RNFI	TSS200;TSS200
cg05500574	chr19	58962884	0.002	0.055	ZNF324B	TSS200
cg06826730	chr1	6685575	0.004	0.055	THAP3	Body
cg25524530	chr4	26321259	0.005	0.055	RBPJ;RBPJ;RBI	TSS200;TSS1500;TSS1500;TSS200
cg18461649	chr14	56585102	0.011	0.055	PELI2;PELI2	1stExon;5'UTR
cg05906024	chr5	168271859	-0.004	0.055	SLIT3	Body
cg01417615	chr1	52456419	0.004	0.055	RAB3B	TSS200
cg13703070	chr9	102583386	0.005	0.055	NR4A3;NR4A3	TSS1500;TSS1500;TSS1500
cg11993436	chr7	155437098	0.018	0.055	RBM33	TSS200
cg02456087	chr7	27291541	0.008	0.055	-	-
cg10780495	chr1	8939136	0.004	0.055	ENO1	TSS1500
cg15300986	chr22	32871215	0.005	0.055	FBXO7;FBXO7	TSS200;Body
cg21809711	chr11	64008374	0.006	0.055	FKBP2;FKBP2;	TSS200;TSS1500;TSS1500
cg05709923	chr22	44351079	0.009	0.055	SAMM50	TSS200
cg02364038	chr19	797109	0.004	0.055	PTBP1;PTBP1;	TSS1500;TSS1500;TSS1500;TSS1500
cg07943633	chr14	96505438	0.026	0.055	C14orf132	TSS1500
cg24766308	chr5	147162432	0.004	0.055	JAKMIP2	TSS200
cg10349758	chr11	63684164	0.008	0.055	RCOR2;RCOR2	1stExon;5'UTR
cg15721562	chr19	58199822	-0.003	0.055	ZNF551	3'UTR
cg04780294	chr17	78075547	0.006	0.055	GAA;GAA;GAA	5'UTR;5'UTR;1stExon;5'UTR
cg07834592	chr6	159267377	-0.007	0.055	OSTCL	Body
cg03860037	chr13	28497359	0.014	0.055	PDX1	Body
cg27481254	chr8	94753071	0.009	0.055	RBM12B	5'UTR
cg11710334	chr15	89921222	0.019	0.055	LOC254559	TSS200
cg05752685	chr11	74952787	0.003	0.055	-	-
cg10448808	chr16	86599745	0.022	0.055	FOXC2	TSS1500
cg19980148	chr14	39639590	0.004	0.055	TRAPPC6B;TR	5'UTR;1stExon;1stExon;5'UTR
cg22773522	chr13	106116963	-0.006	0.055	DAOA;DAOA	TSS1500;TSS1500
cg22687416	chr1	47184410	0.014	0.055	KIAA0494;KIA	1stExon;5'UTR
ch.8.91748119F	chr8	91678943	0.003	0.055	-	-
cg24394020	chr22	50354019	0.012	0.055	PIM3	TSS200
cg17235505	chr3	9439402	0.005	0.055	SETD5;SETD5;	5'UTR;1stExon;TSS1500
cg18442453	chr3	195934411	0.009	0.055	ZDHHC19	Body
cg15860013	chr3	138327718	0.013	0.055	FAIM;FAIM;FA	5'UTR;TSS200;1stExon;5'UTR;1stExon;5'UTR;1stExon
cg07391218	chr2	10442879	0.003	0.055	HPCAL1;HPCA	TSS1500;TSS200
cg26319343	chr19	5623198	0.006	0.055	SAFB2;SAFB2;	TSS1500;5'UTR;1stExon
cg08251398	chr19	15490696	0.006	0.055	AKAP8	TSS200
cg21104533	chr19	47363939	0.004	0.055	-	-
cg24562819	chr20	23029806	0.002	0.055	THBD	1stExon
cg02024077	chr7	145812871	0.011	0.055	CNTNAP2	TSS1500
cg02418294	chr1	14076293	0.011	0.055	PRDM2;PRDM	Body;Body;5'UTR;Body
cg02067239	chr16	22776055	-0.003	0.055	-	-
cg20079734	chr12	124325907	-0.016	0.055	DNAH10	Body
cg05801648	chr9	93564456	0.006	0.055	SYK;SYK;SYK	Body;5'UTR;5'UTR
cg11224624	chr8	145049280	0.003	0.055	PLEC1	Body
cg19761262	chr17	26220474	0.01	0.055	C17orf108	TSS200
cg15837879	chr17	36905998	0.008	0.055	PCGF2	TSS1500
cg06134690	chr16	70835151	0.005	0.055	VAC14	TSS200
cg13200990	chr14	74960107	0.007	0.055	NPC2;ISCA2	TSS200;TSS1500
cg01962112	chr17	25621539	0.009	0.055	WSB1;WSB1	Body;Body
cg04255978	chr2	97173993	0.006	0.055	NEURL3	TSS200
cg13220209	chr6	52926654	0.014	0.055	ICK;ICK	TSS200;TSS200
cg20152424	chr11	576455	0.025	0.055	PHRF1;LOC14	TSS200;TSS1500
ch.1.55941967F	chr1	56169379	0.003	0.055	-	-
cg06990630	chr1	115323359	0.006	0.055	SIKE1;SIKE1	TSS200;TSS200
cg13831459	chr10	101380774	0.008	0.055	SLC25A28	TSS1500
cg27340350	chr19	49559583	0.004	0.055	CGB7	TSS1500

cg10688941	chr2	96971181	0.007	0.055	SNRNP200;SN 1stExon;5'UTR
cg01579206	chr5	148931078	0.006	0.055	CSNK1A1;CSN TSS200;TSS200
cg18527435	chr2	196993656	0.006	0.055	DNAH7 TSS200
cg08381422	chr5	176881468	0.01	0.055	PRR7 5'UTR
cg04675502	chr15	96901342	0.008	0.055	-
cg05829782	chr14	74707911	0.001	0.055	VSX2 Body
cg17217575	chr21	46697067	-0.004	0.055	POFUT2;POFU Body;Body;Body
cg02833386	chr6	107223427	-0.004	0.055	LOC553137 TSS1500
cg00647528	chr18	32957127	0.005	0.055	ZNF396 5'UTR
cg02806912	chr15	65822690	0.004	0.055	PTPLAD1 TSS200
cg05995172	chr11	57434667	0.036	0.055	ZDHHC5 TSS1500
cg15051332	chr6	41514432	0.003	0.055	FOXP4;FOXP4 1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon
cg22037077	chr21	19191843	0.008	0.055	C21orf91;C21 TSS200;TSS200;TSS200
cg11739225	chr14	35591523	0.006	0.055	PPP2R3C;KIAA TSS200;TSS1500
cg20871243	chr1	234509339	0.006	0.055	C1orf31 TSS200
cg09410084	chr1	155533016	0.012	0.055	ASH1L;LOC64 TSS1500;Body
cg17598937	chr1	37047802	-0.007	0.055	-
cg15356195	chr7	5569741	0.005	0.055	ACTB 5'UTR
cg23011754	chr2	231578648	0.005	0.055	CAB39;CAB39 1stExon;5'UTR;5'UTR;5'UTR
cg07802900	chr17	80009465	0.007	0.055	GPS1;RFNG;GI TSS1500;1stExon;TSS1500
cg15738421	chr12	2986597	0.006	0.055	FOXM1;C12orf TSS1500;Body;Body;TSS1500;TSS1500;Body
cg06562091	chr13	30995914	0.005	0.055	-
cg05781609	chr1	86429211	-0.005	0.055	COL24A1 Body
cg26495393	chr16	31473952	-0.002	0.055	ARMCS;ARMC Body;Body
cg14526525	chr10	93669171	0.008	0.055	FGFBP3;FGFB 1stExon;5'UTR
cg03644378	chr17	7761459	0.012	0.055	CYB5D1;LSMD 1stExon;TSS1500
cg15549931	chr6	30710788	0.014	0.055	FLOT1 TSS1500
cg03543403	chr12	122710630	0.005	0.055	DIABLO;DIABL Body;5'UTR;5'UTR;Body
cg10548807	chr2	18012150	0.007	0.055	-
cg20044860	chr11	91958799	0.002	0.055	-
cg22015030	chr1	54411349	0.02	0.055	LRRC42;HSPB TSS1500;TSS200
cg21926039	chr7	134331413	0.006	0.055	BPGM;BPGM TSS200;TSS200
cg13001868	chr17	43339223	0.005	0.055	C17orf46;LOC Body;Body;TSS1500
cg27319227	chr16	17852441	-0.013	0.055	-
cg02856124	chr3	112736847	-0.005	0.055	C3orf17;C3orf Body;Body;Body
cg24405650	chr1	173793317	0.013	0.055	CENPL;CENPL TSS200;5'UTR;1stExon;5'UTR;TSS1500;1stExon
cg16206324	chr7	2018473	-0.005	0.055	MAD1L1;MAD Body;Body;Body
cg26009803	chr19	34663538	0.004	0.055	LSM14A;LSM1 1stExon;1stExon;5'UTR;5'UTR
cg17735028	chr1	19283102	0.007	0.055	IFFO2 TSS1500
cg08646805	chr7	40338163	-0.003	0.055	C7orf10 Body
cg18164599	chr4	175443867	0.005	0.055	HPGD;HPGD TSS200;Body;TSS200
cg01447185	chr4	56212994	0.009	0.055	SRD5A3 Body
cg06742493	chr19	13056745	0.012	0.055	RAD23A;RAD2 1stExon;5'UTR
cg05099185	chr15	68723805	0.007	0.055	ITGA11 Body
cg01527136	chr16	18812258	0.008	0.055	ARL6IP1 Body
cg08475401	chr8	2143741	-0.002	0.055	-
cg11399814	chr1	12290428	0.003	0.055	VPS13D;VPS1 5'UTR;5'UTR
cg24795958	chr15	35087616	0.006	0.055	ACTC1 5'UTR
cg22831514	chr4	88312706	0.009	0.055	HSD17B11 TSS1500
cg23196133	chr17	7388063	0.006	0.055	ZBTB4;POLR2 TSS1500;5'UTR;1stExon
cg16496847	chr6	33386108	0.003	0.055	CUTA;CUTA;C TSS200;TSS200;TSS200;TSS200
cg17930201	chr1	155828174	-0.029	0.055	SYT11;GON4L;TSS1500;TSS1500;TSS1500
cg17314538	chr4	187476837	0.027	0.055	MTNR1A TSS1500
cg03462699	chr2	242743214	0.007	0.055	GAL3ST2 Body
cg27505684	chr1	174968509	0.005	0.055	CACYBP;CACY TSS1500;TSS200
cg27449836	chr1	179846920	0.016	0.055	TOR1AIP2;TOI 5'UTR;1stExon;1stExon;5'UTR
cg08201152	chr19	1875879	0.015	0.055	-
cg14941457	chr2	219824293	0.012	0.055	CDK5R2 TSS200
cg04467063	chr16	10480253	0.005	0.055	-
cg20800956	chr1	171811477	0.022	0.055	DNM3;DNM3 Body;Body
cg10500406	chr7	99036512	0.004	0.055	CPSF4;PTCD1 TSS200;TSS200;TSS200
cg00909646	chr8	67874250	0.004	0.055	-
cg13546937	chr9	127632120	0.005	0.055	ARPC5L Body
cg23713813	chr1	25071889	0.003	0.055	CLIC4;CLIC4 1stExon;5'UTR
cg17287984	chr10	97416725	0.004	0.055	ALDH18A1;AL TSS200;TSS200
cg14178748	chr1	153652247	0.005	0.055	NPR1 1stExon
cg01093395	chr16	3169586	-0.005	0.055	ZNF205;ZNF2 Body;Body
cg25778027	chr10	74856981	0.012	0.055	P4HA1;P4HA1 TSS1500;TSS1500;TSS1500;TSS1500
cg13547299	chr11	1330611	0.01	0.055	TOLLIP;LOC25 Body;TSS1500
cg21544931	chr11	36474744	0.018	0.055	PRR5L;PRR5L Body;Body;Body;Body
cg20187670	chr19	1237242	0.008	0.055	C19orf26 5'UTR
cg14613479	chr6	157342551	0.005	0.055	ARID1B;ARID1 Body;Body;Body
cg06711656	chr3	140660335	0.005	0.055	SLC25A36;SLC TSS1500;TSS1500
cg03166323	chr16	30457367	0.009	0.055	SEPHS2 TSS200
cg00695561	chr19	17531239	0.007	0.055	FAM125A Body
cg26117023	chr2	74782096	0.003	0.055	LOXL3;DOK1 TSS1500;Body
cg05843257	chr22	24951377	0.013	0.055	SNRPD3;C22o TSS1500;TSS200
cg01016694	chr1	233463629	0.009	0.055	KIAA1804;KIA 5'UTR;1stExon
cg08384920	chr16	4776970	-0.008	0.055	ANKS3 Body
cg18010014	chr15	98507208	-0.01	0.055	ARRDC4 Body
cg01182084	chr20	62886875	0.007	0.055	PCMTD2;PCM TSS200;TSS200
cg11992021	chr19	33462723	0.007	0.055	CCDC123;C19 Body;TSS1500
cg14315083	chr7	86688441	0.021	0.055	KIAA1324L Body
cg03279470	chr16	14379220	0.004	0.055	-
cg25894985	chr4	83294101	0.009	0.055	HNRNPD;HNR Body;Body;Body;Body
cg04746587	chr1	44435956	0.004	0.055	DPH2;DPH2 1stExon;1stExon
cg17491622	chr1	1369616	0.018	0.055	VWA1;VWA1 TSS1500;TSS1500
cg10089647	chr1	226298073	0.001	0.055	-
cg11190854	chr6	44205827	0.009	0.055	-
cg08018356	chr19	36706053	0.005	0.055	ZNF146;ZNF1 1stExon;1stExon;TSS200;5'UTR;5'UTR;TSS1500;5'UTR;1stExon
cg08067365	chr1	948893	0.004	0.055	ISG15;ISG15 1stExon;5'UTR
cg09852008	chr1	10092689	0.006	0.055	UBE4B;UBE4B TSS1500;TSS1500
cg09146325	chr16	19535277	0.006	0.055	CP110;CP110 1stExon;5'UTR
cg18303175	chr19	4067154	0.011	0.055	ZBTB7A TSS1500
cg03404102	chr3	122103036	0.005	0.055	FAM162A;CCL 1stExon;TSS1500;5'UTR
cg12894629	chr3	195942717	-0.021	0.055	OSTAlpha TSS1500
cg20975478	chr1	44457319	0.009	0.055	CCDC24;CCDC 5'UTR;1stExon
cg17038116	chr1	155533405	0.002	0.055	ASH1L;LOC64 TSS1500;Body
cg15963988	chr4	15895695	-0.003	0.055	-
cg05511722	chr8	55379566	0.003	0.055	-
cg12220376	chr1	165823772	-0.053	0.055	UCK2 Body
cg07143532	chr1	86621354	0.005	0.055	COL24A1 Body
cg14997715	chr10	70940229	0.009	0.055	SUPV3L1 1stExon
cg27122213	chr14	57274763	0.006	0.055	OTX2 5'UTR
cg12748915	chr4	95373019	0.005	0.055	PDLIM5;PDLIN TSS200;TSS200;TSS200;TSS200

cg04820387	chr20	62887534	0.007	0.055	PCMTD2;PCM 5'UTR;5'UTR
cg24295800	chr7	129251419	0.005	0.055	NRF1 TSS200
cg05562080	chr4	38666448	0.003	0.055	KLF3;FLJ13197;5'UTR;TSS200
cg08380397	chr7	128509612	0.003	0.055	-
cg06736554	chr4	89378224	0.016	0.055	HERC5 TSS200
cg09264906	chr11	57424981	0.009	0.055	CLP1;CLP1 TSS1500;TSS1500
cg14409941	chr5	178771781	0.004	0.055	ADAMTS2;AD;Body;Body
cg22972380	chr3	122399601	0.012	0.055	PARP14 TSS200
cg01035068	chr16	89627855	0.005	0.055	RPL13;RPL13;Body;Body;Body
cg22207171	chr2	219524576	0.009	0.055	ZNF142;BCS1L TSS1500;5'UTR;5'UTR
cg10710703	chr22	24093130	0.008	0.055	ZNF70;ZNF70 1stExon;5'UTR
cg19245228	chr6	12012242	0.022	0.055	HIVEP1 TSS1500
cg02099878	chr2	223176167	0.012	0.055	-
cg26518861	chr10	122708898	0.005	0.055	-
cg04215703	chr10	102826625	0.006	0.055	-
cg10871529	chr17	40118519	0.013	0.055	CNP TSS1500
cg00489730	chr2	29118113	0.014	0.055	WDR43 Body
cg16905265	chr7	50347081	0.015	0.055	IKZF1 5'UTR
cg00173405	chr1	1335424	0.009	0.055	CCNL2;CCNL2;TSS1500;TSS1500;TSS1500;TSS1500;Body
cg21233275	chr2	136634095	0.006	0.055	MCM6 TSS200
cg26662579	chr1	109969051	0.004	0.055	PSMA5 TSS200
cg08208505	chr16	68119244	0.006	0.055	NFATC3;NFAT TSS200;TSS200;TSS200;TSS200
cg11576659	chr6	29691135	0.006	0.055	HLA-F;HLA-F;1stExon;5'UTR;1stExon;5'UTR;5'UTR;1stExon
cg25613251	chr1	59249811	0.005	0.055	JUN TSS200
cg25891639	chr5	143584957	0.007	0.055	KCTD16 5'UTR
cg21848549	chr14	50101974	0.006	0.055	C14orf104;C1 TSS200;TSS200
cg01408915	chr9	136024341	0.007	0.055	RALGDS Body
cg06387459	chr3	35680899	0.021	0.055	-
cg11724134	chr6	30043727	0.008	0.055	RNF39;RNF39 TSS200;TSS200
cg19161850	chr22	22222040	0.005	0.055	MAPK1;MAPK TSS200;TSS200
cg04603809	chr16	29874120	0.008	0.055	LOC440356;LC TSS1500;TSS1500;Body
cg26135722	chr3	42642776	0.026	0.055	NKTR Body
cg11329235	chr1	24969260	0.005	0.055	SRRM1 TSS1500
cg18001844	chr8	119220574	-0.008	0.055	SAMD12 Body
cg10647101	chr22	19744026	0.03	0.055	TBX1;TBX1;TB TSS200;TSS200;TSS200
cg20744809	chr16	71323116	0.012	0.055	FTSD1;FTSD1;5'UTR;1stExon;1stExon;5'UTR
cg03293884	chr10	82215075	0.01	0.055	TSPAN14;TSPJ 5'UTR;5'UTR
cg20169185	chr20	44261389	-0.006	0.055	WFD9 TSS1500
cg05603546	chr5	55117874	0.004	0.055	-
cg04287116	chr2	95831031	0.001	0.055	ZNF2;ZNF2 TSS200;TSS200
cg22457660	chr12	27091278	0.007	0.055	C12orf11;FGFI TSS200;TSS200
cg17539479	chr7	129007618	0.011	0.055	AHCYL2;AHCY TSS1500;Body;TSS1500;Body
cg13968218	chr9	127216047	0.003	0.055	GPR144 Body
cg26541003	chr11	9594436	0.009	0.055	WEE1 TSS1500
cg22580372	chr2	120436899	0.005	0.055	TMEM177;TM 5'UTR;5'UTR;5'UTR;1stExon
cg25930340	chr5	179160251	0.005	0.055	MAML1 1stExon
cg09784847	chr2	74692550	0.004	0.055	MOG5;MOG5 TSS200;TSS200
cg10779375	chr13	27825541	0.003	0.055	RPL21;RPL21P TSS200;TSS200
cg01431972	chr10	77163401	0.009	0.055	C10orf41;C10 Body;TSS200
cg26056770	chr9	139685251	0.004	0.055	TMEM141 TSS1500
cg16274148	chr9	100684771	0.006	0.055	C9orf156 1stExon
cg03032247	chr17	46570338	0.011	0.055	-
cg13018903	chr11	124806901	-0.003	0.055	HEPACAM TSS1500
cg23210013	chr17	26220505	0.013	0.055	C17orf108 TSS200
cg04096653	chr16	85171120	0.016	0.055	-
cg02735721	chr1	144932625	0.005	0.055	PDE4DIP;PDE4 TSS1500;Body;Body
cg16804899	chr2	27805965	0.009	0.055	ZNF512;ZNF51 1stExon;5'UTR
cg12922931	chr21	33984727	0.006	0.055	C21orf59 TSS200
cg22415969	chr3	27411065	0.006	0.055	NEK10 TSS200
cg12224633	chr6	34393398	0.002	0.055	RPS10 5'UTR
cg19680485	chr15	31195859	0.006	0.055	MTMR15;MTM TSS1500;TSS1500;TSS1500;TSS200
cg11498607	chr21	36399226	0.006	0.055	RUNX1 Body
cg21846305	chr12	45270304	0.044	0.055	NELL2;NELL2;Body;Body;TSS1500;TSS200;TSS200
cg00655669	chr2	24163524	0.006	0.055	UBXN2A 5'UTR
cg15464112	chr8	101322646	0.004	0.055	RNF19A TSS1500
cg07137955	chr5	42992774	0.003	0.055	-
cg14900295	chr10	135050901	0.017	0.055	VENTX TSS1500
cg02304945	chr16	89992524	0.009	0.055	TUBB3 Body
cg02532014	chr15	85114169	0.015	0.055	UBE2QP1 TSS200
cg14527213	chr7	104654756	0.006	0.055	MLL5;MLL5;M 1stExon;5'UTR;1stExon;5'UTR;TSS200
cg12845952	chr3	167098119	0.007	0.055	ZBBX TSS200
cg08932135	chr17	27383585	-0.006	0.055	PIPOX 3'UTR
cg17217004	chr22	30752498	0.01	0.055	SF3A1;SF3A1;Body;Body;TSS200
cg14576128	chr12	1100379	0.007	0.055	ERC1;ERC1;ER TSS200;TSS200;TSS200;TSS200;TSS200
cg11286618	chr2	74685465	0.015	0.055	WBP1 TSS200
cg26202575	chr10	94351614	0.005	0.055	KIF11 TSS1500
cg20502080	chr14	73137874	-0.006	0.055	DPF3 Body
cg01623187	chr20	42356139	-0.007	0.055	GTSF1L;GTSF1 TSS1500;TSS1500
cg17910586	chr3	52479098	0.008	0.055	SEMA3G TSS200
cg04568117	chr19	54695088	0.007	0.055	MBOAT7;MBC TSS1500;TSS1500;TSS1500;TSS1500;TSS200;5'UTR
cg23261491	chr12	76953750	0.013	0.055	OSBP18;OSBP1 TSS200;TSS200
cg02477458	chr1	226112258	0.01	0.055	PYCR2 TSS1500
cg21994174	chr19	51870364	0.005	0.055	CLDND2;ETFB 3'UTR;TSS1500
cg21437208	chr17	79935213	0.007	0.055	ASPSR1 TSS1500
cg00116058	chr5	154320652	0.021	0.055	MRPL22;MRPL 5'UTR;1stExon;1stExon;5'UTR
cg08068101	chr14	35099282	0.005	0.055	SNX6;SNX6;SN 5'UTR;Body;1stExon
cg14640481	chr7	97910728	0.005	0.055	BRI3;BRI3 TSS1500;TSS1500
cg23299989	chr4	980676	0.004	0.055	IDUA;SLC26A1 TSS200;Body
cg03286235	chr2	75426786	0.005	0.055	TACR1;TACR1 TSS200;TSS200
cg05006302	chr14	95927930	-0.002	0.055	C14orf49 Body
cg23984769	chr6	17281626	0.008	0.055	RBM24;RBM2 TSS1500;TSS1500;TSS200
cg01886556	chr4	17783205	0.003	0.055	FAM184B TSS200
cg25402610	chr7	127807500	0.008	0.055	-
cg05855039	chr14	85996751	0.006	0.055	FLRT2;FLRT2 1stExon;5'UTR
cg07410044	chr2	71222186	0.006	0.055	TEX261 TSS200
cg16896847	chr8	144512042	0.004	0.055	MAFA 1stExon
cg25056770	chr11	57417368	0.012	0.055	YPEL4;YPEL4 5'UTR;1stExon
cg00806198	chr17	72969066	0.009	0.055	C17orf28 TSS200
cg17260383	chr8	22298246	0.019	0.055	PPP3CC TSS1500
cg27414885	chr1	112298991	0.005	0.055	DDX20;C1orf1 Body;TSS1500
cg27168438	chr3	28283068	0.006	0.055	CMC1 TSS200
cg00045275	chr1	43389643	0.005	0.055	-
cg14613607	chr9	139333683	0.005	0.055	INPP5E 1stExon
cg02141940	chr8	143761503	-0.015	0.055	PSCA TSS1500
cg13849371	chr9	135546639	0.007	0.055	DDX31;GTF3C TSS1500;Body;TSS1500

cg23013931	chr22	41214857	0.01	0.055	SLC25A17	Body
cg11625977	chr17	26988935	0.009	0.055	SDF2;SUPT6H	TSS200;TSS1500
cg26017930	chr1	2232166	0.011	0.055	SKI	Body
cg05155965	chr15	96873885	0.005	0.055	NR2F2;NR2F2	TSS1500;Body
cg11680236	chr3	48342764	0.002	0.055	NME6	Body
cg13060520	chr10	35379343	0.005	0.055	CUL2	TSS200
cg00960509	chr1	21671908	0.012	0.055	ECE1;ECE1	1stExon;5'UTR
cg00946979	chr16	88569320	-0.003	0.055	ZFPM1	Body
cg06420049	chr11	125496181	0.014	0.055	CHEK1;CHEK1	TSS200;5'UTR;5'UTR
cg21725976	chr19	2479184	0.004	0.055	-	-
cg05899224	chr18	56806647	0.013	0.055	SEC11C	TSS1500
cg07531221	chr6	168228374	0.016	0.055	C6orf124;MLL	TSS1500;Body;Body;Body
cg14755699	chr2	239791753	-0.004	0.055	TWIST2	3'UTR
cg26722446	chr10	105156263	0.004	0.055	PDCD11;USM1	TSS200;TSS200
cg05767455	chr6	31940052	0.005	0.056	STK19;STK19;	Body;Body;Body;TSS200
cg19472116	chr5	134074186	0.004	0.056	CAMLG	TSS200
cg19190714	chr6	16238941	0.005	0.056	GMPR	1stExon
cg25097676	chr10	99051975	0.008	0.056	ARHGAP19	Body
cg22964918	chr7	27286075	0.005	0.056	EVX1	3'UTR
cg10505267	chr5	131746875	0.009	0.056	C5orf56	5'UTR
cg02718725	chr1	95392925	0.005	0.056	CNN3	TSS200
cg06079347	chr1	246324811	-0.008	0.056	SMYD3;SMYD	Body;Body
cg11199770	chr19	31841663	0.006	0.056	TSHZ3	TSS1500
cg07428089	chr2	176046170	0.005	0.056	ATP5G3;ATP5;	5'UTR;1stExon;5'UTR
cg25655799	chr10	79397930	0.005	0.056	KCNMA1;KCN	TSS1500;TSS1500;TSS1500;TSS1500
cg19029301	chr20	30795553	0.007	0.056	POFUT1;PLAG	TSS200;TSS200;TSS200
cg07009981	chr10	133454756	-0.019	0.056	-	-
cg13429872	chr19	39574863	0.005	0.056	PAPL	TSS200
cg17114847	chr11	47736795	0.013	0.056	AGBL2	TSS1500
cg18183628	chr2	175351915	0.024	0.056	GPR155;GPR1	TSS200;TSS200
cg03585598	chr6	5260664	0.008	0.056	LYRM4;FARS2	Body;TSS1500;Body;Body
cg03005055	chr14	65006951	0.005	0.056	HSPA2	TSS1500
cg11221228	chr1	117452905	0.005	0.056	PTGFRN	Body
cg11418007	chr15	57999471	0.011	0.056	GRINL1A;GCO	Body;Body;Body;Body;Body
cg02362686	chr1	150521404	0.005	0.056	ADAMTSL4;AL	TSS1500;TSS1500
cg05388765	chr16	68055379	-0.006	0.056	DDX28;DDX28	3'UTR;1stExon
cg03916787	chr9	127624708	0.01	0.056	RPL35	TSS1500
cg21810311	chr7	107384783	0.014	0.056	CBLL1;CBLL1	Body;Body
cg06791100	chr17	79514728	-0.011	0.056	C17orf70;C17	Body;Body
cg08369872	chr22	24181191	0.004	0.056	DERL3;DERL3;	5'UTR;1stExon;5'UTR;1stExon;1stExon;5'UTR
cg24135685	chr5	180217700	-0.003	0.056	MGAT1;MGAT1	3'UTR;3'UTR;3'UTR;3'UTR
cg23988359	chr11	33397679	0.009	0.056	-	-
cg06622968	chr1	32859605	0.01	0.056	BSDC1;BSDC1	Body;Body;Body;Body
cg03358373	chr7	73498094	0.004	0.056	LIMK1	TSS200
cg19497501	chr8	40755380	0.011	0.056	ZMAT4;ZMAT	TSS200;TSS200
cg16292181	chr6	72254462	-0.003	0.056	-	-
cg19440233	chr3	52009002	0.004	0.056	ABHD14A;ABH	TSS200;TSS1500;TSS1500;TSS1500
cg21145441	chr7	64254796	0.012	0.056	ZNF138;ZNF1;	5'UTR;Body;1stExon;1stExon;5'UTR;Body
cg19308989	chr17	7820248	-0.009	0.056	LOC284023	TSS1500
cg03710719	chr19	36389795	0.004	0.056	NFKBID	5'UTR
cg18772361	chr1	184723253	0.005	0.056	EDEM3	Body
cg01448711	chr12	120741565	-0.012	0.056	SIRT4	Body
cg08450501	chr3	136580965	0.024	0.056	NCK1	TSS200
cg00937518	chr1	23036868	0.009	0.056	EPHB2;EPHB2	TSS1500;TSS1500
cg11542789	chr3	44626269	0.003	0.056	ZNF660	TSS200
cg01354961	chr7	8473462	0.007	0.056	NXP1	TSS200
cg02835499	chr17	46178918	0.011	0.056	CBX1;CBX1	TSS200;TSS1500
cg08204155	chr22	20133578	-0.008	0.056	ZDHH8	3'UTR
cg13750219	chr2	240738673	-0.005	0.056	-	-
cg24226528	chr2	120189622	0.005	0.056	TMEM37	Body
cg18959044	chr2	85154198	0.003	0.056	-	-
cg24159547	chr17	73128072	0.005	0.056	NT5C	TSS200
cg02634584	chr3	47021557	0.005	0.056	NBEAL2	Body
cg17290868	chr5	1801904	0.003	0.056	NDUFS6	Body
cg18559442	chr4	926138	0.005	0.056	TMEM175;GA	TSS200;5'UTR;1stExon
cg11386792	chr10	112432418	0.005	0.056	RBM20	Body
cg21685663	chr1	154245266	0.008	0.056	HAX1;HAX1	Body;Body
cg14827285	chr13	114298906	-0.011	0.056	-	-
cg05946335	chr7	66460663	0.008	0.056	SBD5;TYW1	TSS200;TSS1500
cg09459719	chr3	141594525	0.032	0.056	ATP1B3	TSS1500
cg07627390	chr16	23652638	0.008	0.056	PALB2;PALB2;	1stExon;5'UTR;TSS200
cg06350544	chr19	48833535	0.007	0.056	EMP3	Body
cg09313940	chr2	120124469	0.005	0.056	C2orf76;DBI;	D TSS1500;TSS200;TSS1500;TSS200
cg00843885	chr16	29985458	0.006	0.056	TAOK2;TAOK2	1stExon;5'UTR;1stExon;5'UTR
cg16628484	chr5	43042177	0.014	0.056	LOC153684	TSS200
cg08020574	chr16	89557182	0.005	0.056	ANKRD11	TSS1500
cg24458756	chr2	108691558	-0.005	0.056	-	-
cg23063716	chr15	75743999	0.01	0.056	SIN3A;SIN3A;	TSS200;5'UTR;5'UTR;1stExon
cg19655950	chr14	73192903	-0.005	0.056	DPF3	Body
cg09567644	chr16	11350363	0.016	0.056	SOCS1	TSS1500
cg23057485	chr8	134052341	-0.009	0.056	SLA;TG;SLA;	SL Body;Body;Body;Body
cg20074142	chr15	56035371	0.004	0.056	PRTG	TSS200
cg27225680	chr17	73760817	0.007	0.056	GALK1	Body
cg21305471	chr19	58239222	0.007	0.056	ZNF671	TSS1500
cg10918328	chr13	95355508	0.002	0.056	-	-
cg15358937	chr4	2936732	0.007	0.056	C4orf10;MFSL	TSS1500;TSS200;TSS1500
cg08676600	chr6	99872838	0.007	0.056	SFRS18;SFRS1	5'UTR;5'UTR
cg09655191	chr17	73915849	-0.005	0.056	FBF1	Body
cg23975441	chr2	47168905	0.004	0.056	MCFD2;MCFD	1stExon;5'UTR;Body;5'UTR;1stExon
cg16054642	chr15	85176679	0.009	0.056	SCAND2;SCAN	Body;Body
cg00746515	chr4	170679019	0.005	0.056	C4orf27	1stExon
cg14196143	chr6	13711924	0.007	0.056	RANBP9	TSS200
cg01595204	chr19	1642837	-0.006	0.056	TCF3;TCF3	Body;Body
cg08690031	chr2	174219209	0.011	0.056	CDCA7;CDCA7	TSS1500;TSS1500
cg06933031	chr6	32940391	0.004	0.056	BRD2;BRD2	5'UTR;5'UTR
cg27392024	chr18	47792794	0.003	0.056	CCDC11;CCDC	1stExon;5'UTR
cg13530621	chr13	20735337	0.005	0.056	GJA3	TSS200
cg19192585	chr20	62948037	0.009	0.056	-	-
cg01745629	chr6	83775548	0.006	0.056	UBE2CBP	TSS200
cg17094593	chr17	693243	-0.009	0.056	RNMTL1	Body
cg26161816	chr19	7414043	0.012	0.056	-	-
cg09870978	chr15	62684001	0.009	0.056	-	-
cg00289081	chr22	27053470	0.004	0.056	MIAT	TSS200
cg20518511	chr7	5458901	0.011	0.056	TNRC18	Body
cg16426034	chr11	15729604	-0.004	0.056	-	-

cg22082145	chr1	1597527 -0.005	0.056	LOC728661;C1 Body;Body;Body;Body;Body;5'UTR
cg19029422	chr18	7567799 0.015	0.056	PTPRM;PTPRM 1stExon;1stExon;5'UTR;5'UTR
cg06792847	chr17	62773246 0.013	0.056	LOC146880 Body
cg27205667	chr12	123321307 0.004	0.056	HIP1R Body
cg18029521	chr19	37569264 0.005	0.056	ZNF420 TSS200
cg09306577	chr1	12040877 0.006	0.056	MFN2;MFN2 5'UTR;5'UTR
cg17149563	chr22	46731230 0.006	0.056	TRMU TSS200
cg06615040	chr1	85156266 0.008	0.056	SSX2IP;SSX2IP TSS200;TSS200;TSS200;TSS200
cg10770742	chr7	151107285 0.007	0.056	WDR86 TSS200
cg10656742	chr13	24152779 0.025	0.056	TNFRSF19;TNF TSS1500;5'UTR
cg05718146	chr15	80544652 0.008	0.056	-
cg16997989	chr18	9136565 0.005	0.056	ANKRD12;ANK TSS200;TSS200
cg10505813	chr15	50647051 0.006	0.056	GABPB1;GABF 5'UTR;5'UTR;Body;5'UTR;5'UTR
cg26819757	chr16	87681215 -0.007	0.056	JPH3 Body
cg01999951	chr2	206951097 0.005	0.056	INO80D TSS200
cg17839314	chr2	177503038 0.009	0.056	-
cg21024916	chr3	4535815 0.019	0.056	ITPR1;ITPR1;IT 5'UTR;5'UTR;5'UTR
cg12897901	chr11	126225297 0.003	0.056	ST3GAL4 TSS1500
cg00706396	chr11	73087735 0.005	0.056	RELT;RELT;REL 5'UTR;5'UTR;1stExon
cg08164334	chr1	19229453 0.006	0.056	ALDH4A1;ALD TSS200;TSS200
cg01269212	chr7	2582200 -0.016	0.056	C7orf27 Body
cg10348138	chr21	33244911 0.006	0.056	HUNK TSS1500
cg14754581	chr3	46448753 0.004	0.056	CCRL2;CCRL2; TSS1500;5'UTR;1stExon
cg23757094	chr21	35445744 0.009	0.056	SLCSA3;MRPS TSS200;TSS200
cg23917860	chr19	6393446 0.005	0.056	GTFF2F1 TSS200
cg13080151	chr12	4381583 0.005	0.056	CCND2 TSS1500
cg11934304	chr15	40698339 0.009	0.056	IVD;IVD Body;Body
cg12595736	chr1	25573955 0.004	0.056	C1orf63;C1orf 5'UTR;1stExon
cg19958593	chr14	87265617 -0.024	0.056	-
cg07500988	chr15	64386403 0.003	0.056	FAM96A;FAM TSS200;TSS200
cg20457193	chr1	32645180 0.005	0.056	TXLNA TSS200
cg17050100	chr2	27852231 0.003	0.056	GPN1;CCDC12 5'UTR;TSS1500;Body;TSS1500;Body;5'UTR;TSS1500;Body
cg17093401	chr10	44070178 0.011	0.056	ZNF239;ZNF2: TSS200;TSS200;TSS200
cg22836535	chr14	105956176 0.006	0.056	C14orf80;C14: TSS1500;TSS1500;TSS1500
cg05767754	chr3	112709667 0.005	0.056	GTPBP8;GTPB TSS200;TSS200
cg02012442	chr19	39322657 0.005	0.056	ECH1 TSS200
cg25296314	chr12	122277851 0.004	0.056	HPD Body
cg11418112	chr19	54372610 0.018	0.056	MYADM;MYAI TSS200;5'UTR;5'UTR;5'UTR;TSS200
cg26612563	chr11	4115769 0.01	0.056	RRM1 TSS200
cg11132698	chr1	895988 0.006	0.056	KLHL17;KLHL1 1stExon;5'UTR;TSS1500
cg11839334	chr14	21152763 0.006	0.056	RNASE4;ANG; 1stExon;5'UTR;1stExon;5'UTR
cg16540036	chr5	140018942 0.004	0.056	TMCO6 TSS200
cg16833566	chr4	1656603 -0.007	0.056	FAM53A Body
cg26147823	chr19	662331 0.008	0.056	RNF126 Body
cg03751030	chr8	56015576 0.003	0.056	XKR4 1stExon
cg18037826	chr12	109273835 -0.006	0.056	DAO TSS200
cg09405661	chr10	79397455 0.006	0.056	KCNMA1;KCN 1stExon;5'UTR;1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon
cg26187166	chr20	56884786 0.008	0.056	RAB22A;RAB2 1stExon;5'UTR;TSS1500
cg26363196	chr1	76540236 0.007	0.056	ST6GALNAC3; TSS200;TSS200
cg16240962	chr2	128785678 0.005	0.056	SAP130;SAP1: TSS1500;TSS1500
cg23672395	chr20	1099079 0.007	0.056	PSMF1;PSMF1 5'UTR;TSS200
cg13665263	chr7	135662016 0.02	0.056	MTPN;MTPN; 1stExon;5'UTR;5'UTR;1stExon
cg15199678	chr7	96642510 0.007	0.056	DLX6AS Body
cg13506653	chr4	54965863 0.004	0.056	GSX2 TSS1500
cg02997560	chr19	3180815 0.003	0.056	-
cg11140897	chr1	113050539 0.007	0.056	WNT2B;WNT2 Body;TSS1500
cg23651976	chr1	23749009 0.005	0.056	TCEA3 Body
cg11431820	chr11	119455500 0.002	0.056	-
cg14446955	chr3	169684986 0.006	0.056	LOC10012816 TSS1500;Body;TSS1500
cg05491346	chr10	127512596 0.01	0.056	BCCIP;BCCIP;L Body;Body;TSS1500;Body
cg05954817	chr1	27248333 0.006	0.056	NUDC;NUDC 1stExon;5'UTR
cg02376455	chr17	38474349 0.003	0.056	RARA;RARA;R 5'UTR;TSS200;TSS200
cg15571896	chr6	56548600 -0.001	0.056	DST;DST;DST; 1Body;Body;Body;Body
cg03862226	chr12	57521271 0.007	0.056	LRP1 TSS1500
cg23866403	chr19	35617819 -0.007	0.056	LG14 Body
cg15318532	chr13	37393521 0.003	0.056	RFXAP 1stExon
cg25290303	chr17	6916095 0.007	0.056	RNASEK Body
cg07509646	chr2	20251843 0.004	0.056	LAPTM4A TSS200
cg07923233	chr1	76080727 0.007	0.056	-
cg08642186	chr6	20534674 0.007	0.056	CDKAL1 TSS200
cg20447773	chr11	124670426 0.003	0.056	C11orf61 TSS200
cg05413451	chr1	57045111 0.008	0.056	PPAP2B;PPAP: 5'UTR;1stExon;1stExon;5'UTR
cg02618968	chr17	79410544 -0.01	0.056	BAHCC1 Body
cg21554109	chr19	18747733 0.006	0.056	KLHL26 TSS200
cg07952040	chr12	110562126 0.004	0.056	IFT81;IFT81;IF TSS200;TSS200;TSS200
cg23489936	chr11	66112666 0.006	0.056	BRMS1;BRMS: TSS200;TSS200
cg24855943	chr6	26235224 0.006	0.056	HIST1H1D TSS200
cg18440188	chr14	50999316 0.006	0.056	MAP4K5;MAP 5'UTR;5'UTR;1stExon;TSS1500;1stExon
cg25877054	chr1	95700082 0.006	0.056	RWDD3;RWDI Body;Body
cg18187587	chr20	36156316 0.006	0.056	BLCAP;BLCAP; 1stExon;5'UTR;TSS1500;TSS200;5'UTR;1stExon
cg21983178	chr1	45120676 -0.009	0.056	TMEM53 Body
cg19426362	chr7	128379330 0.005	0.056	CALU;CALU TSS200;TSS200
cg05017015	chr14	24584313 0.002	0.056	DCAF11;DCAF 5'UTR;5'UTR;TSS200;Body;TSS200;1stExon
cg03262694	chr11	64684810 0.008	0.056	ATG2A TSS200
cg01447322	chr11	66035600 0.009	0.056	RAB1B TSS1500
cg18693412	chr20	42543129 0.016	0.056	TOX2 TSS1500
cg13342158	chr8	30670271 0.006	0.056	PPP2CB;PPP2 5'UTR;1stExon;5'UTR;1stExon
cg05284652	chr8	70746191 0.009	0.056	SLCO5A1;SLCC 5'UTR;TSS1500;TSS1500
cg03402876	chr2	11051991 0.005	0.056	KCNF1 TSS200
cg00251705	chr11	57434686 0.004	0.056	ZDHHCS TSS1500
cg19378640	chr1	109656145 0.01	0.056	C1orf194;K1AV Body;TSS1500
cg14826764	chr17	37729812 0.006	0.056	-
cg12751404	chr1	11866034 0.005	0.056	MTHFR;CLCN1 1stExon;TSS200;5'UTR;TSS200;TSS200;TSS200
cg12908517	chr5	64064244 0.004	0.056	SFRS12IP1;SDI Body;TSS1500
cg102221596	chr2	202222273 -0.005	0.056	ALS2CR12;ALS TSS200;TSS200
cg03067068	chr16	19729774 0.011	0.056	C16orf88;IQCI TSS1500;Body
cg17472052	chr3	127347536 -0.008	0.056	PODXL2 TSS1500
cg22241638	chr2	44364503 -0.006	0.056	-
cg15713801	chr6	27636517 0.006	0.056	-
cg13990141	chr9	96213504 0.007	0.056	FAM120AOS;F Body;TSS1500
cg07458624	chr20	17461435 -0.005	0.056	PCSK2 Body
cg06084907	chr16	3551038 0.01	0.056	CLUAP1;CLUA 5'UTR;1stExon
cg24717854	chr6	31869529 0.004	0.056	ZBTB12 5'UTR
cg08280475	chr3	128997692 0.011	0.056	C3orf37;C3orf 1stExon;TSS200;5'UTR
cg10222674	chr1	4837122 -0.003	0.056	AJAP1;AJAP1 3'UTR;3'UTR

cg04075184	chr2	122290763	-0.018	0.056	CLASP1;CLASP Body;Body;Body
cg14210971	chr11	3014102	0.004	0.056	NAP1L4 TSS1500
cg11732282	chr2	153573982	0.009	0.056	ARL6IP6;PRPF-TSS1500;TSS200;TSS1500
cg23064060	chr3	129159190	0.005	0.056	IFT122;MBD4;1stExon;TSS1500;1stExon;1stExon;1stExon
cg12983042	chr8	62823894	-0.003	0.056	-
cg06989930	chr11	20181879	0.027	0.056	DBX1 TSS200
cg02278437	chr18	59001691	0.006	0.056	-
cg08233250	chr1	149982844	0.005	0.056	OTUD7B TSS200
cg09190696	chr6	91296794	0.008	0.056	MAP3K7;MAP 5'UTR;1stExon;1stExon;5'UTR;TSS200;1stExon;5'UTR
cg02642979	chr2	25424387	-0.008	0.056	-
cg16065270	chr6	31370798	0.008	0.056	MICA TSS1500
cg21077885	chr4	47465763	0.005	0.056	COMMD8 TSS200
cg25007351	chr3	160118866	0.006	0.056	SMC4;SMC4 Body;Body
cg01734772	chr7	65723664	-0.003	0.056	TPST1 Body
cg13685314	chr9	122132178	0.022	0.056	DBC1 TSS1500
cg09791055	chr7	97910884	0.006	0.056	BRI3;BRI3 TSS200;TSS200
cg04099660	chr1	71546313	0.005	0.056	ZRANB2;ZRAN Body;Body
cg02701985	chr7	100888300	0.002	0.056	FIS1;FIS1 1stExon;5'UTR
cg22833292	chr11	64126806	0.015	0.056	RPS6KA4;RPS6 Body;Body
cg23461800	chr14	103021989	0.005	0.056	-
cg04803316	chr11	60282935	-0.004	0.056	MS4A13;MS4 5'UTR;1stExon;5'UTR;1stExon
cg21164727	chr9	95858436	0.007	0.056	C9orf89 TSS200
cg25762068	chr1	23886040	0.004	0.056	ID3;ID3 1stExon;5'UTR
cg25741578	chr10	6622566	0.007	0.056	PRKCQ TSS1500
cg11058942	chr7	1287561	0.004	0.056	-
cg18554986	chr8	87526577	0.019	0.056	CPNE3 TSS200
cg21818871	chr20	33866020	0.005	0.056	-
cg05131334	chr15	77924569	0.026	0.056	LINGO1 Body
cg11845142	chr17	63557609	0.007	0.056	AXIN2;AXIN2 1stExon;5'UTR
cg00021539	chr6	37225413	0.007	0.056	TMEM217;TM TSS200;1stExon;TSS200;5'UTR
cg11790335	chr6	50679857	0.008	0.056	TFAP2D TSS1500
cg24054684	chr11	14665335	0.007	0.056	PDE3B;PSMA1 1stExon;TSS200;5'UTR
cg02949991	chr22	29977262	0.002	0.056	NIPSNAP1 TSS200
cg26503877	chr11	128391429	0.028	0.056	ETS1;ETS1;ETS Body;Body;Body
cg18336281	chr19	33717487	0.013	0.056	SLC7A10 TSS1500
cg24133836	chr7	121784386	0.004	0.056	AASS TSS200
cg05745632	chr11	94706668	0.009	0.056	KDM4D;CWC1 TSS200;1stExon;5'UTR
cg22048546	chr1	207494716	0.006	0.056	CD55;CD55 TSS200;TSS200
cg11654769	chr5	148206180	0.017	0.056	ADRB2;ADRB2 1stExon;5'UTR
cg23716101	chr14	50155118	0.006	0.056	POLE2 TSS200
cg24930197	chr3	41240705	0.005	0.056	CTNNB1;CTNN TSS1500;TSS1500;TSS1500
cg15584788	chr1	6265300	0.01	0.057	RNF207 TSS1500
cg02978959	chr19	57791520	0.048	0.057	ZNF460 TSS1500
cg11843050	chr14	21737252	0.008	0.057	HNRNPC;HNR1 5'UTR;5'UTR;5'UTR;5'UTR
cg15274202	chr15	35443300	-0.009	0.057	-
cg03215868	chr9	35604509	0.01	0.057	TESK1 TSS1500
cg13818830	chr9	116326021	-0.037	0.057	RGS3;RGS3;RC Body;Body;TSS1500
cg19744131	chr1	150980805	0.003	0.057	FAM63A;FAM 1stExon;5'UTR;TSS200;5'UTR;TSS1500;1stExon
cg01550799	chr7	114561804	-0.008	0.057	MDFIC;MDFIC TSS1500;TSS1500;TSS1500
cg27444651	chr4	13486108	0.005	0.057	RAB28;RAB28 TSS200;TSS200;TSS200
cg16563470	chr17	40119847	-0.008	0.057	CNP Body
cg04738279	chr17	46969432	0.005	0.057	-
cg16494252	chr14	102780659	0.005	0.057	-
cg21621906	chr7	142494914	0.003	0.057	-
cg07820310	chr20	44035078	0.013	0.057	DBNDD2;DBN TSS200;5'UTR;TSS200;Body;5'UTR
cg16961647	chr2	233562019	0.006	0.057	GIGYF2;GIGYF 1stExon;5'UTR;1stExon;1stExon;1stExon;5'UTR;5'UTR;5'UTR
cg08828886	chr12	133430972	-0.006	0.057	CHFR;CHFR;Ch Body;Body;Body;Body;Body
cg22741823	chr4	108746275	0.004	0.057	SGMS2 5'UTR
cg06941836	chr1	205294816	0.004	0.057	-
cg09757581	chr2	97200904	-0.01	0.057	-
cg05714082	chr2	86332937	0.004	0.057	POLR1A;POLR 1stExon;5'UTR;TSS1500
cg20598560	chr2	223289176	0.007	0.057	SGPP2 TSS200
cg11599539	chr8	72459614	0.008	0.057	-
cg06467181	chr18	60191671	0.004	0.057	ZCCHC2 Body
cg12730771	chr10	8095996	0.002	0.057	FLJ45983;GAT TSS1500;TSS1500;TSS1500
cg20777920	chr6	10404848	0.006	0.057	TFAP2A;TFAP;Body;Body;Body
cg22740547	chr11	13030876	0.004	0.057	RASSF10 1stExon
cg22929235	chr12	31881433	0.017	0.057	AMN1;AMN1 Body;Body
cg10929582	chr12	1669567	-0.004	0.057	-
cg17452713	chr1	23695008	0.019	0.057	C1orf213;C1orf TSS1500;TSS1500;5'UTR;TSS200
cg19958057	chr7	116312597	0.011	0.057	MET;MET;ME 1stExon;5'UTR;1stExon;5'UTR
cg23256683	chr5	75996951	-0.008	0.057	IQGAP2 Body
cg23613219	chr17	37856404	0.005	0.057	ERBB2;ERBB2;5'UTR;1stExon;5'UTR
cg19372337	chr11	18656165	0.005	0.057	SPTY2D1 TSS200
cg00584670	chr5	43603158	0.003	0.057	NNT;NNT TSS200;5'UTR
cg19921261	chr10	135171559	0.005	0.057	C10orf125;C1 TSS200;TSS200
cg08914844	chr7	86688919	0.007	0.057	KIAA1324L;Kl1 1stExon;5'UTR
cg03461495	chr2	220094219	0.006	0.057	ANKZF1;ANKZ TSS1500;TSS1500;5'UTR;5'UTR
cg17859048	chr1	151170906	0.013	0.057	PIP5K1A;PIP5 TSS200;TSS200;TSS200;TSS200
cg12787407	chr17	46179050	0.01	0.057	CBX1;CBX1 TSS200;TSS1500
cg01280609	chr22	18257414	0.003	0.057	BID;BID;BID TSS200;TSS1500;TSS200
cg15870334	chr4	5891982	0.013	0.057	CRMP1 Body
cg14051046	chr9	128510172	0.004	0.057	PBX3;PBX3;PB Body;Body;TSS1500;Body
cg21938123	chr13	52733373	0.006	0.057	NEK3;NEK3;NI 5'UTR;1stExon;5'UTR;5'UTR;Body
cg19400545	chr4	124319236	0.006	0.057	SPRY1;SPRY1 5'UTR;TSS1500
cg14654886	chr4	5710319	0.005	0.057	EVC2;EVC2 5'UTR;TSS200
cg20912169	chr8	67344720	0.005	0.057	ADHFE1;ADHF 5'UTR;1stExon
cg08874888	chr5	52386488	-0.003	0.057	ITGA2 3'UTR
cg11898816	chr10	134671276	-0.005	0.057	-
cg05508592	chr11	535387	0.005	0.057	HRAS;HRAS;Hl 5'UTR;5'UTR;5'UTR
cg15025647	chr20	30310640	0.008	0.057	BCL2L1;BCL2L 5'UTR;1stExon;5'UTR;1stExon
cg23173495	chr5	65018638	0.007	0.057	SGTB;NLN TSS1500;Body
cg01024009	chr3	145968696	0.006	0.057	PLSCR4;PLSCR TSS200;5'UTR;5'UTR;5'UTR
cg12276506	chr11	46867742	0.006	0.057	CKAP5;CKAP5 5'UTR;5'UTR
cg11301756	chr6	107780797	0.005	0.057	PDSS2 TSS200
cg08875431	chr11	2422401	0.004	0.057	TSSC4 TSS1500
cg21478222	chr1	205601572	0.006	0.057	ELK4;ELK4;ELK 1stExon;5'UTR;1stExon;5'UTR
cg18979581	chr8	9413415	0.004	0.057	TNKS TSS200
cg03797501	chr15	75018774	0.01	0.057	CYP1A1 TSS1500
cg05180206	chr16	74249500	-0.005	0.057	-
cg13438893	chr13	79170303	0.011	0.057	-
cg19738463	chr6	31831574	0.011	0.057	NEU1;SLC44A TSS1500;Body
cg05370569	chr16	23464705	0.007	0.057	COG7 TSS1500
cg03298364	chr17	17495252	0.01	0.057	PEMT TSS1500
cg23990012	chr15	95870409	0.048	0.057	-

cg06696800	chr2	75788038	0.006	0.057	FAM176A;FAM 5'UTR;5'UTR;1stExon
cg01805480	chr12	133137879	0.007	0.057	FBRSL1 Body
cg19138960	chr20	23066947	0.006	0.057	CD93;CD93 5'UTR;1stExon
cg23814691	chr3	50649161	0.006	0.057	CISH;CISH;CIS1 1stExon;5'UTR;5'UTR;1stExon
cg04842522	chr5	133860686	0.003	0.057	PHF15 TSS1500
cg13738140	chr9	140189802	0.004	0.057	-
cg06095560	chr19	47633912	0.005	0.057	SAE1;SAE1;SA TSS200;TSS200;TSS1500;TSS200
cg10454121	chr7	150675859	0.001	0.057	KCNH2;KCNH2 TSS1500;TSS1500
cg10447111	chr12	4647897	0.024	0.057	RAD51AP1;C1 TSS200;TSS1500;TSS200
cg21240861	chr7	157129652	0.005	0.057	DNAJB6;DNAJ TSS200;TSS200
cg13226172	chr9	34589381	0.009	0.057	CNTFR;CNTFR 5'UTR;5'UTR
cg12565179	chr2	71454252	0.008	0.057	PAIP2B TSS200
cg06008480	chr11	113185089	0.015	0.057	TTC12 TSS200
cg07113322	chr16	58034858	0.012	0.057	C16orf57;ZNF TSS1500;TSS1500
cg12113932	chr20	388401	0.004	0.057	RBCK1;RBCK1 TSS1500;TSS1500
cg18457249	chr14	58862977	0.014	0.057	TOMM20L Body
cg04165030	chr5	175843293	0.01	0.057	CLTB;CLTB 1stExon;1stExon
cg17499981	chr11	809742	0.003	0.057	RPLP2 TSS200
cg24826392	chr2	73964445	0.015	0.057	TPRKB;TPRKB 5'UTR;1stExon
cg16204135	chr19	19626951	0.004	0.057	NDUFA13;TSS TSS200;TSS1500
cg11027570	chr3	139258431	0.007	0.057	RBP1;RBP1;RE 1stExon;1stExon;1stExon
cg23588844	chr1	87170109	0.006	0.057	SH3GLB1 TSS200
cg14390263	chr9	6109415	-0.021	0.057	-
cg17362861	chr7	151107257	0.008	0.057	WDR86 TSS200
cg03316474	chr1	151138495	0.007	0.057	SCNM1;LYSM1 TSS200;TSS200;TSS200
cg06233904	chr16	31044135	0.003	0.057	STX4 TSS1500
cg26526374	chr10	109674854	0.012	0.057	-
cg09798879	chr10	101190764	0.004	0.057	GOT1 TSS1500
cg22455660	chr9	128509791	0.007	0.057	PBX3;PBX3;PB 1stExon;Body;TSS1500;Body
cg21981706	chr11	118023445	0.004	0.057	SCN4B;SCN4B 1stExon;1stExon;5'UTR;5'UTR
cg08224646	chr16	67876574	0.005	0.057	CENPT;THAP1 5'UTR;1stExon
cg09432613	chr10	102497520	0.003	0.057	-
cg14606680	chr17	6347533	0.006	0.057	FAM64A TSS1500
cg26880891	chr15	72767139	0.004	0.057	ARIH1 1stExon
cg05226019	chr1	224370586	0.005	0.057	DEGS1;DEGS1 TSS1500;TSS1500
cg06979030	chr16	3074442	0.01	0.057	HCFC1R1;HCF TSS200;TSS200;Body;TSS200;Body
cg08630381	chr13	100612277	0.001	0.057	-
cg01519238	chr8	145515711	0.01	0.057	HSF1;BOP1 Body;TSS1500
cg26541586	chr6	33150222	-0.003	0.057	COL11A2;COL Body;Body;Body
cg11761729	chr2	175206501	0.014	0.057	-
cg22902564	chr5	31670819	-0.008	0.057	-
cg06974930	chr1	46633153	0.043	0.057	-
cg10999867	chr6	114292751	0.004	0.057	HDAC2 TSS1500
cg15644174	chr5	72416469	0.003	0.057	TMEM171;TM 5'UTR;1stExon;5'UTR;1stExon
cg20201833	chr12	62654718	0.005	0.057	USP15 Body
cg21779611	chr18	76738999	0.008	0.057	SALL3 TSS1500
cg04096365	chr19	18284450	0.005	0.057	IFI30 TSS200
cg26254453	chr1	46152494	0.011	0.057	TMEM69;GPB TSS1500;TSS200
cg11189039	chr22	42486959	0.007	0.057	NDUFA6 TSS200
cg24524451	chr7	140372725	0.028	0.057	ADCK2 TSS1500
cg07221967	chr1	18969717	0.007	0.057	PAX7;PAX7;P Body;Body;Body
cg01547494	chr13	110790937	0.008	0.057	-
cg27241559	chr7	2884040	0.011	0.057	GNA12 TSS200
cg23004043	chr14	23387995	0.012	0.057	RBM23;RBM2 5'UTR;5'UTR;5'UTR
cg11601115	chr21	41129855	0.003	0.057	IGSF5 Body
cg19564098	chr10	124895697	0.007	0.057	HMX3 1stExon
cg08402873	chr20	10653164	0.014	0.057	JAG1 Body
cg23848568	chr5	55008353	0.005	0.057	SLC38A9 TSS200
cg22084611	chr20	46414934	0.01	0.057	SULF2;SULF2;1stExon;1stExon;5'UTR;TSS200;5'UTR
cg27427051	chr1	28585917	0.006	0.057	SES2 TSS200
cg14700304	chr2	105760890	0.014	0.057	-
cg25234159	chr3	184870893	0.006	0.057	C3orf70 TSS200
cg25937494	chr22	42228971	0.007	0.057	SREBF2 TSS200
cg02810156	chr19	36822672	0.004	0.057	-
cg12850832	chr2	27309063	0.008	0.057	KHK;EMILIN1; TSS1500;3'UTR;TSS1500
cg06513814	chr16	10647084	0.074	0.057	EMP2 5'UTR
cg25208582	chr6	31833941	-0.005	0.057	SLC44A4 Body
cg22054328	chr4	184930219	-0.005	0.057	STOX2 Body
cg14957547	chr2	38303386	0.007	0.057	CYP1B1 TSS200
cg05471725	chr6	32049845	-0.003	0.057	TNXB Body
cg02993280	chr1	107599747	0.004	0.057	PRMT6 1stExon
cg14013103	chr19	42703609	0.011	0.057	DEDD2 Body
cg07790045	chr12	111051760	0.004	0.057	TCTN1;TCTN1 TSS200;TSS200;TSS200
cg26560110	chr6	28603161	0.011	0.057	-
cg14961550	chr6	52149751	0.003	0.057	MCM3 TSS200
cg08701937	chr10	81965488	0.007	0.057	ANXA11;ANX TSS200;TSS200;TSS200
cg25830558	chr3	113775501	0.004	0.057	KIAA1407;QTF TSS200;TSS200
cg05197560	chr16	29937465	0.004	0.057	KCTD13;KCTD 1stExon;5'UTR
cg03008693	chr4	30721357	0.003	0.057	PCDH7;PCDH7 TSS1500;TSS1500;TSS1500
cg12743976	chr10	31892154	0.006	0.057	-
cg14735551	chr5	131132756	0.005	0.057	FNIP1;FNIP1 TSS200;TSS200
cg19376851	chr2	200334137	0.006	0.057	FLJ32063 Body
cg15765532	chr11	76156397	0.004	0.057	C11orf30 5'UTR
cg03267400	chr2	27273215	0.003	0.057	AGBL5;AGBL5 TSS1500;TSS1500
cg07712904	chr15	40389891	-0.051	0.057	BMF;BMF;BM Body;Body;Body;Body
cg05721253	chr8	37553136	0.006	0.057	ZNF703 TSS200
cg21951425	chr15	26108612	0.009	0.057	ATP10A TSS1500
cg21787620	chr1	111682652	0.004	0.057	DRAM2;CEPT1 5'UTR;TSS200;5'UTR
cg11959708	chr6	30881893	0.007	0.057	VARS2;VARS2;TSS1500;TSS200;TSS200
cg08662665	chr19	30865823	0.008	0.057	ZNF536 5'UTR
cg12830119	chr14	100154292	0.015	0.057	CYP46A1 Body
cg23712980	chr20	30795555	0.004	0.057	POFUT1;PLAG TSS200;TSS200;TSS200
cg08240373	chr9	34329106	0.007	0.057	NUDT2;NUDT TSS1500;TSS1500;1stExon;5'UTR;TSS1500
cg24732137	chr19	56988702	0.002	0.057	ZNF667;ZNF66 5'UTR;Body;1stExon
cg19757382	chr2	241076313	0.039	0.057	MYEOV2;MYE TSS1500;TSS1500
cg12200124	chr5	179220820	0.013	0.057	LTC4S TSS200
cg02920148	chr11	66056751	0.004	0.057	YIF1A TSS200
cg24254177	chr11	62341474	0.006	0.057	EEF1G TSS200
cg08049136	chr19	10765744	0.013	0.057	ILF3;ILF3;ILF3; 5'UTR;5'UTR;TSS1500;5'UTR;5'UTR
cg27426425	chr15	75018259	0.006	0.057	CYP1A1 TSS1500
cg26799881	chr13	84455576	0.006	0.057	SLITRK1 1stExon
cg02513409	chr19	17559666	0.004	0.057	-
cg18036707	chr1	235530995	0.003	0.057	TBCE;TBCE 5'UTR;5'UTR
cg07893584	chr9	10612700	0.004	0.057	PTPRD;PTPRD 5'UTR;1stExon;TSS200
cg12068969	chr15	77362720	0.008	0.057	TSPAN3;TSPA Body;Body;Body

cg24748868	chr6	151660133 -0.002	0.057	AKAP12;AKAP	Body;Body
cg04053969	chr19	4067284 0.009	0.057	ZBTB7A	TSS1500
cg07798143	chr11	16629150 0.004	0.057	-	-
cg16718162	chr1	23963971 0.027	0.057	MDS2	Body
cg03261004	chr9	139981660 0.004	0.057	LOC10028934	TSS1500;1stExon
cg23881482	chr19	53290147 0.006	0.057	ZNF600	TSS200
cg03141482	chr13	108520039 0.003	0.057	FAM155A	TSS1500
cg27106726	chr19	1104511 0.01	0.057	GPX4;GPX4;G1	Body;Body;TSS200
cg27430662	chr1	109656708 0.008	0.057	KIAA1324;KIA	5'UTR;1stExon;TSS1500
cg24374161	chr11	46582058 0.012	0.057	AMBRA1	5'UTR
cg25538627	chr11	119227631 0.004	0.057	USP2;USP2	Body;Body
cg08495115	chr15	33010399 0.004	0.057	GREM1	5'UTR
cg09427354	chr15	32323044 0.009	0.057	CHRNA7	Body
cg01665118	chr13	77502805 -0.001	0.057	BTF3L1	Body
cg01939477	chr11	43602879 0.002	0.057	MIR129-2	TSS200
cg00912049	chr19	42891379 0.006	0.057	CNFN	Body
cg27291698	chr6	43276578 0.007	0.057	CRIP3	TSS200
cg00388754	chr8	1271770 -0.017	0.057	-	-
cg23029494	chr19	50167926 0.011	0.057	IRF3;BCL2L12	Body;TSS1500;TSS1500
cg13140106	chr22	26825553 0.009	0.057	ASPHD2	5'UTR
cg05330742	chr14	68283062 0.007	0.057	ZFYVE26	5'UTR
cg12784766	chr17	76778744 0.004	0.057	CYTH1;CYTH1	TSS1500;TSS1500
cg25842633	chr22	43738427 0.017	0.057	SCUBE1	Body
cg27286967	chr11	66035932 0.007	0.057	RAB1B	TSS200
cg05200037	chr6	149772346 0.013	0.057	ZC3H12D	Body
cg06678279	chr3	56502293 0.004	0.057	ERC2;ERC2	1stExon;5'UTR
cg17727725	chr2	131485262 0.009	0.057	GPR148	TSS1500
cg12309456	chr17	74475402 -0.005	0.057	RHBDF2;RHB	Body;Body
cg16508913	chr11	11609419 -0.003	0.057	GALNTL4	Body
cg22912359	chr17	38574272 0.007	0.057	TOP2A	TSS200
cg08969593	chr16	188903 0.005	0.057	C16orf35;C16	TSS1500;TSS1500
cg03838680	chr3	46887195 0.002	0.057	-	-
cg08839620	chr11	74303786 0.003	0.057	POLD3	Body
cg05676593	chr11	67276127 0.005	0.057	CDK2AP2	TSS200
cg10029031	chr20	62710905 0.011	0.057	RGS19;RGS19	5'UTR;TSS200;TSS1500;TSS1500
cg26833602	chr9	95821549 0.005	0.057	SUSD3	Body
cg18542304	chr15	99288216 -0.005	0.057	IGF1R	Body
cg21266749	chr1	226249703 0.004	0.057	LOC440926;H	TSS1500;TSS1500
cg13121120	chr11	61584721 0.005	0.057	FADS1	TSS200
cg15313226	chr2	191045668 0.005	0.057	C2orf88;C2orf	5'UTR;5'UTR;1stExon;5'UTR;TSS200
cg16047482	chr14	55493763 0.004	0.057	WDHD1;WDH	5'UTR;5'UTR;TSS200;TSS200;1stExon;1stExon
cg03401357	chr1	46951477 0.003	0.057	-	-
cg26783679	chr3	62364171 0.008	0.057	-	-
cg26003818	chr1	231474059 0.009	0.057	C1orf124;C1o	5'UTR;1stExon;1stExon;5'UTR;TSS1500
cg19570940	chr5	73331567 0.004	0.057	-	-
cg18178010	chr6	32055629 0.007	0.057	TNXB	Body
cg22509041	chr12	53574524 0.004	0.057	CSAD;ZNF740	TSS200;TSS200
cg01635816	chr20	2082448 0.005	0.057	STK35	TSS200
cg15634474	chr8	74211842 -0.003	0.057	RDH10	Body
cg14274895	chr9	98638211 0.005	0.057	C9orf130;C9o	Body;5'UTR;Body;1stExon
cg12641569	chr11	70601781 0.006	0.057	SHANK2	Body
cg06370667	chr1	160770752 -0.006	0.057	LY9;LY9	Body;Body
cg06211272	chr1	59012675 0.007	0.057	OMA1	TSS1500
cg24077412	chr7	44240570 0.008	0.057	YKT6	TSS200
cg26989531	chr12	4383117 0.013	0.057	CCND2;CCND	1stExon;5'UTR
cg11974956	chr6	89673528 0.005	0.057	RNGTT	TSS200
cg26890159	chr8	28259988 0.004	0.057	-	-
cg25880593	chr7	93633825 0.004	0.057	BET1	TSS200
cg04873963	chr16	2518322 0.01	0.057	-	-
cg23209990	chr4	55097576 0.007	0.057	PDGFRA	5'UTR
cg27313857	chr15	42565760 0.007	0.057	GANC;TMEM	8TSS1500;TSS200;TSS200
cg12064626	chr21	40817896 0.016	0.057	SH3BGR	5'UTR
cg21800704	chr17	27717763 0.006	0.057	TAOK1	TSS200
cg11310898	chr6	1316923 0.002	0.057	-	-
cg21989213	chr17	41984470 0.003	0.057	MPP2	5'UTR
cg26685658	chr5	74633012 0.005	0.057	HMGCR;HMG	1stExon;5'UTR;1stExon;5'UTR
cg09149294	chr15	98503793 0.005	0.057	ARRDC4	TSS200
cg05400811	chr8	146012426 0.008	0.057	ZNF34	5'UTR
cg03325851	chr11	6440480 0.009	0.057	APBB1;APBB	1TSS200;5'UTR
cg03315007	chr1	2137067 0.003	0.057	C1orf86	5'UTR
cg26458270	chr19	44079887 0.003	0.057	XRCC1	TSS200
cg03971247	chr2	46841077 -0.008	0.057	PIGF;PIGF	Body;Body
cg16994128	chr7	139044616 0.005	0.057	LUC7L2	TSS200
cg13479474	chr9	135513659 -0.013	0.057	DDX31;DDX	31'UTR;Body
cg07239018	chr16	15982379 0.005	0.057	C16orf63	Body
cg22603542	chr1	166945234 0.016	0.057	ILDR2	TSS1500
cg17934948	chr1	215255716 0.005	0.057	KCNK2;KCNK	2TSS1500;TSS1500;Body
cg07180252	chr5	142150015 0.005	0.057	ARHGAP26;A	8TSS1500;TSS1500
cg00080059	chr20	61568856 0.004	0.057	DIDO1;DIDO	1;5'UTR;5'UTR;5'UTR;TSS1500
cg23080354	chr22	45405880 0.004	0.057	PHF21B;PHF	2TSS1500;TSS200
cg10033612	chr16	1664176 0.014	0.057	CRAMP1L	TSS1500
cg24488059	chr10	122216355 0.003	0.057	PPAPDC1A	TSS200
cg17393296	chr1	59762829 0.006	0.057	FGGY;FGGY	5'UTR;5'UTR
cg04571059	chr16	87425456 0.009	0.057	FBXO31;MAP	1Body;TSS1500
cg17982504	chr16	68056849 0.005	0.057	DDX28;DUS	2L1stExon;TSS1500
cg23733753	chr14	100151063 0.016	0.057	CYP46A1	Body
cg11517071	chr2	196521772 0.004	0.057	SLC39A10;S	LC5'UTR;TSS200
cg14661383	chr1	228463720 0.008	0.057	OBSCN;OBSC	Body;Body
cg22268256	chr6	31671229 0.016	0.057	BATS	TSS200
cg10124773	chr3	39448150 0.006	0.057	RPSA;RPSA	TSS1500;TSS200
cg04543026	chr1	110453888 0.012	0.057	CSF1;CSF1	;CSFBody;Body;Body;Body
cg15656901	chr18	67873348 0.007	0.057	RTTN	TSS1500
cg05887636	chr6	76311920 0.006	0.057	SENPE6;SEN	PE6;5'UTR;5'UTR;1stExon;1stExon
cg07987250	chr6	18368166 -0.003	0.057	-	-
cg21919790	chr17	72926781 -0.003	0.057	OTOP2	Body
cg13725272	chr3	66024492 0.003	0.057	MAGI1;MAG	1;5'UTR;5'UTR;1stExon;1stExon;5'UTR;1stExon
cg20211654	chr8	93625596 -0.005	0.057	-	-
cg27409012	chr1	162531173 0.003	0.057	UAP1	TSS200
cg13735402	chr4	140222514 0.021	0.057	NAA15	TSS200
cg09503927	chr4	39460088 0.012	0.057	LIAS;RPL9	;RPLTSS1500;5'UTR;1stExon;5'UTR;TSS1500
cg13122491	chr17	76437009 -0.014	0.057	DNAH17	Body
cg25170997	chr7	156742896 0.004	0.057	NOM1	1stExon
cg13223918	chr7	148964954 -0.004	0.057	ZNF783	Body
cg17669009	chr19	51920885 0.008	0.057	SIGLEC10;S	IGL1stExon;5'UTR;5'UTR;5'UTR;1stExon;5'UTR;5'UTR;5'UTR;1stExon;1stExon;1stExon;1stExon
cg13258610	chr7	24613676 0.004	0.057	MPP6	5'UTR

S_Table 2. This supplementary table presents the top 5000 sites with highest signal of differential methylation (ranked according to their FDR adjusted p-value) in the control group after the day long meditation intervention) Diff: difference in methylation level between t2 and t1, P-val: FDR adjusted P-value
TSS200: proximal promoter (less than 200bp upstream from the transcription start site),
TSS1500: distal promoter (from 1,500 to 200bp upstream from the transcription start site).

Illumina CpG	chromosome	position	Diff	P-val	Gene symbol	Localization
cg21898343	chr7	156755713	-0.009	0.023	NOM1	Body
cg18121684	chr18	61254561	-0.003	0.059	SERPINB13;SERPINB13	5'UTR;1stExon
cg01023151	chr6	30570115	-0.013	0.059	PPP1R10	Body
cg01054725	chr6	32023142	-0.007	0.059	TNXB	Body
cg19190016	chr17	81025684	-0.014	0.059	-	-
cg07175883	chr2	176957908	0.009	0.059	HOXD13	1stExon
cg02675550	chr18	77208807	-0.004	0.059	NFATC1;NFATC1;NFATC1;NFATC1;NFATC1	Body;5'UTR;Body;Body;Body
cg02333202	chr1	155239427	-0.014	0.059	CLK2	Body
cg22046535	chr2	1625325	-0.013	0.059	-	-
cg10928302	chr3	50126174	0.002	0.059	RBM5	TSS200
cg15646817	chr5	80256524	0.014	0.059	RASGRF2	TSS200
cg17794650	chr20	36032652	-0.01	0.059	SRC;SRC	3'UTR;3'UTR
cg20335906	chr6	30859977	-0.009	0.06	DDR1;DDR1;DDR1	Body;Body;Body
cg01055099	chr16	3516099	-0.008	0.06	NAT15;NAT15;NAT15	5'UTR;5'UTR;5'UTR
cg01000996	chr17	78880226	-0.012	0.06	RPTOR;RPTOR	Body;Body
cg05886125	chr1	54859921	-0.006	0.06	SSBP3;SSBP3;SSBP3	Body;Body;Body
cg11798390	chr10	103911821	0.012	0.06	NOLC1	TSS200
cg21656293	chr18	3261709	0.004	0.06	MYL12B;MYL12B;MYL12B;MYL12B	TSS1500;TSS1500;TSS1500;TSS1500
cg04653264	chr7	2189383	-0.007	0.06	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg22871797	chr15	22992526	-0.004	0.06	CYFIP1;CYFIP1	Body;Body
cg10821722	chr11	64571899	-0.027	0.06	MEN1;MEN1;MEN1;MEN1;MEN1;MEN1	Body;Body;Body;Body;Body;Body;TSS1500;Body
cg1798566	chr7	128478670	-0.01	0.06	FLNC;FLNC	Body;Body
cg18675902	chr3	52329510	-0.005	0.06	MIR135A1	TSS1500
cg15338675	chr6	28193028	0.008	0.06	ZNF193	TSS200
cg25567438	chr3	183462619	-0.01	0.06	YEATS2	Body
cg17809471	chr22	37882605	0.006	0.066	MFNG;MFNG;MFNG	TSS200;TSS200;TSS200
cg24466421	chr1	44070974	-0.009	0.066	PTPRF;PTPRF	Body;Body
cg04322105	chr3	50383309	0.009	0.066	ZMYND10	TSS200
cg04132649	chr7	97867978	-0.022	0.068	TECPR1	Body
cg19056593	chr18	29078478	0.003	0.07	DSG2	Body
cg05819883	chr11	17903316	-0.011	0.072	SERGEF	Body
cg03835754	chr16	85844163	-0.016	0.072	-	-
cg14355941	chr14	101526485	-0.002	0.072	MIR496	TSS1500
cg07220149	chr17	35118980	-0.005	0.074	-	-
cg11064255	chr18	5629890	0.004	0.074	-	-
cg25345625	chr10	131576889	-0.006	0.074	-	-
cg25203980	chr1	1238595	-0.02	0.074	ACAP3	Body
cg16125564	chr17	648074	-0.007	0.074	GEMIN4	3'UTR
cg00650386	chr4	72248830	-0.003	0.074	SLC4A4;SLC4A4;SLC4A4	Body;Body;Body
cg21211645	chr3	45590039	-0.031	0.074	LARS2	3'UTR
cg16721845	chr11	68518800	0.013	0.074	MTLS;MTLS	5'UTR;5'UTR
cg10245910	chr13	108519547	-0.062	0.074	FAM155A	TSS200
cg26506507	chr8	23261738	0.009	0.074	LOXL2	TSS200
cg17243754	chr6	170456806	-0.016	0.074	-	-
cg03507241	chr18	12307649	0.006	0.074	TUBB6	TSS1500
cg14017655	chr6	133562193	0.005	0.074	EYA4;EYA4;EYA4	TSS1500;TSS1500;TSS1500
cg13319772	chr11	77927254	-0.007	0.074	GAB2;GAB2	3'UTR;3'UTR
cg00738869	chr3	138552648	0.01	0.074	-	-
cg11544257	chr2	102673734	-0.003	0.074	-	-
cg00093058	chr16	717932	0.007	0.074	RHOT2	TSS200
cg26118809	chr14	105663402	0.002	0.074	-	-
cg18986332	chr3	33759647	0.014	0.074	CLASP2;CLASP2	5'UTR;1stExon
cg01988285	chr3	50306107	-0.008	0.074	SEMA3B;SEMA3B	5'UTR;5'UTR
cg03841431	chr7	73535284	-0.007	0.074	LIMK1	Body
cg17154218	chr12	124912182	-0.019	0.074	NCOR2;NCOR2	Body;Body
cg27350716	chr6	30071028	0.01	0.074	TRIM31	3'UTR
cg12791790	chr6	33169078	0.015	0.074	SLC39A7;RXRB;SLC39A7	1stExon;TSS1500;Body
cg04950384	chr6	46620778	0.003	0.074	SLC25A27;SLC25A27;CYP39A1	5'UTR;1stExon;TSS1500
cg16777493	chr16	84483628	-0.015	0.074	ATP2C2	Body
cg21055944	chr22	44208168	0.021	0.074	EFCAB6;EFCAB6	TSS200;TSS200
cg22800743	chr6	21954586	-0.003	0.074	FLJ22536	Body
cg24403487	chr17	79174196	-0.009	0.074	AZ11;AZ11	Body;Body
cg02129834	chr3	56591125	0.006	0.074	CCDC66;CCDC66;CCDC66	TSS200;TSS200;TSS200
cg27398535	chr11	112131049	-0.003	0.074	C11orf34	Body
cg10307802	chr1	16165243	-0.009	0.074	FLJ37453	Body
cg10491648	chr2	74648490	0.008	0.074	WDR54	TSS1500
cg03388043	chr17	80084554	0.029	0.074	CCDC57	Body
cg21163015	chr9	140658436	-0.006	0.074	EHMT1;FLJ40292;EHMT1	Body;Body;Body
cg23545872	chr10	79074256	-0.009	0.074	KCNMA1;KCNMA1;KCNMA1;KCNMA1	Body;Body;Body;Body
cg00518857	chr13	112292532	-0.01	0.074	-	-
cg14378231	chr1	98404032	-0.079	0.076	-	-
cg21011110	chr1	40157436	0.014	0.078	HPCAL4	TSS1500
cg06863239	chr2	73301011	-0.004	0.078	RAB11FIP5	3'UTR
cg05266142	chr13	114792744	-0.006	0.08	RASA3	Body
cg20695936	chr1	25257624	-0.029	0.08	RUNX3;RUNX3	TSS1500;Body
cg09390974	chr4	103423492	0.007	0.08	NFKB1;NFKB1	5'UTR;5'UTR
cg02159896	chr18	11908181	0.005	0.08	MPPPE1	5'UTR
cg00709515	chr12	77719035	0.005	0.08	-	-
cg27410952	chr3	98620265	0.007	0.08	DCBLD2;DCBLD2	5'UTR;1stExon
cg21499348	chr17	38060925	-0.003	0.08	GSDMB;GSDMB;GSDMB;GSDMB	3'UTR;3'UTR;3'UTR;3'UTR
cg11247695	chr11	1074715	-0.008	0.08	MUC2	TSS200
cg26447919	chr20	17949531	0.007	0.081	C20orf72;SNX5;SNX5	TSS1500;TSS200;TSS1500
cg14907599	chr19	46299318	-0.003	0.081	RSPH6A	Body
cg06093712	chr4	13546145	0.013	0.081	NKX3-2	TSS200
cg07239293	chr8	101170671	0.007	0.081	SPAG1;SPAG1;SPAG1	5'UTR;1stExon;5'UTR
cg17444511	chr5	138523299	-0.003	0.081	SIL1;SIL1	5'UTR;5'UTR
cg16075020	chr19	12606183	0.007	0.082	ZNF709	5'UTR
cg03078043	chr11	66791038	0.004	0.082	SYT12	5'UTR
cg23155767	chr2	207083231	-0.01	0.082	GPR1;GPR1	TSS1500;TSS1500
cg16042259	chr6	100917206	0.005	0.082	-	-
cg16248933	chr3	122003561	-0.004	0.082	CASR	Body
cg25917220	chr7	143078782	0.008	0.082	ZYX;ZYX	Body;Body
cg03145301	chr2	232527776	-0.005	0.082	-	-
cg21481929	chr2	37899561	0.01	0.082	CDC42EP3	TSS1500
cg20152126	chr6	116736562	-0.003	0.082	DSE;DSE	Body;Body
cg07004443	chr6	75916445	0.008	0.082	COL12A1;COL12A1	TSS1500;TSS1500
cg03876697	chr5	148759078	-0.007	0.082	IL17B	TSS1500

cg23908019	chr15	28263701 -0.003	0.089	OCA2	Body
cg24229589	chr19	19651962 0.007	0.089	CILP2	Body
cg27235896	chr4	156135578 -0.013	0.089	NPY2R	Body
cg24027542	chr6	170456949 -0.016	0.089	-	-
cg08615354	chr5	38468217 -0.027	0.089	-	-
cg20189244	chr7	96648205 0.016	0.089	-	-
cg08240373	chr9	34329106 0.008	0.089	NUDT2;NUDT2;KIF24;KIF24;NUDT2	TSS1500;TSS1500;1stExon;5'UTR;TSS1500
cg22801992	chr3	128210000 0.01	0.089	GATA2	5'UTR
cg04428320	chr19	4086696 -0.01	0.089	-	-
cg02051806	chr12	86650107 -0.019	0.089	MGAT4C	5'UTR
cg17429587	chr12	124905230 -0.015	0.089	NCOR2;NCOR2	Body;Body
cg20504856	chr6	19692011 0.003	0.089	-	-
cg22798392	chr3	62189352 -0.012	0.089	PTPRG	Body
cg07375840	chr15	96900143 0.005	0.089	-	-
cg18616385	chr5	76377018 -0.004	0.089	SNORA47;ZBED3	TSS1500;5'UTR
cg11829253	chr15	77320787 -0.009	0.089	PSTPIP1	Body
cg12536471	chr1	902653 0.006	0.089	PLEKHN1;PLEKHN1	Body;Body
cg15054077	chr19	13124215 0.004	0.089	NFIX	Body
cg00293409	chr3	196366669 0.006	0.089	LRRC33;LRRC33	5'UTR;1stExon
cg05664523	chr2	677534 0.005	0.089	TMEM18	TSS200
cg08716348	chr5	179125923 0.004	0.089	CANX;CANX	TSS200;TSS200
ch.14.7825431	chr14	61549847 0.002	0.089	-	-
cg23624822	chr3	106838264 -0.036	0.089	LOC100302640	Body
cg04195159	chr11	17232377 -0.01	0.089	-	-
cg06995003	chr7	107483851 -0.004	0.089	-	-
cg09301114	chr6	33266964 0.006	0.089	RGL2;RGL2;RGL2	5'UTR;Body;1stExon
cg10496150	chr17	77923603 -0.014	0.089	TBC1D16	Body
cg08227786	chr16	14549684 -0.004	0.09	PARN;PARN	Body;Body
cg21690282	chr14	105930748 -0.012	0.09	MTA1	Body
cg06760279	chr14	23947073 -0.006	0.09	NGDN;NGDN	3'UTR;Body
cg19425870	chr11	3876808 0.006	0.09	STIM1	TSS200
cg06248061	chr10	135372380 -0.022	0.09	SYCE1;SYCE1;SYCE1	Body;Body;Body
cg01595178	chr4	2931909 -0.004	0.09	-	-
cg17616305	chr11	86669155 -0.011	0.09	-	-
cg21970438	chr6	167738277 -0.004	0.09	TLL2	TSS1500
cg22348299	chr7	955155 -0.015	0.09	ADAP1	Body
cg11585425	chr2	65454529 0.005	0.09	ACTR2;ACTR2	TSS1500;TSS1500
cg19357011	chr6	33374656 -0.004	0.09	KIFC1	Body
cg08781549	chr2	239970152 -0.008	0.09	HDAC4	3'UTR
cg08709116	chr1	36859272 -0.008	0.09	LSM10	3'UTR
cg15150274	chr8	33330294 0.015	0.09	FUT10	5'UTR
cg24747565	chr1	227506021 0.004	0.09	CDC42BPA;CDC42BPA	TSS200;TSS200
cg20054027	chr11	66610720 0.014	0.09	RCE1;C11orf80;RCE1	TSS200;3'UTR;TSS200
cg23613253	chr11	70440347 -0.007	0.09	SHANK2;SHANK2	Body;Body
cg22077686	chr2	242664024 -0.009	0.09	ING5	Body
cg24148931	chr6	169290459 -0.007	0.09	-	-
cg06171013	chr6	33291013 0.003	0.09	DAXX;DAXX;DAXX;DAXX	TSS1500;TSS1500;TSS1500;TSS1500
cg14205216	chr6	33877308 -0.052	0.09	-	-
cg08421910	chr6	11771840 -0.05	0.09	C6orf105;C6orf105	Body;Body
cg24719601	chr4	41750466 0.01	0.09	PHOX2B	1stExon
cg11733626	chr3	123304043 0.006	0.09	PTPLB	TSS200
cg0755718	chr8	8639450 -0.012	0.09	-	-
cg26513854	chr5	141295517 -0.005	0.09	-	-
cg12631255	chr3	44666814 0.004	0.09	ZNF197;ZNF197	5'UTR;5'UTR
cg06891533	chr8	145623324 -0.003	0.09	CPSF1	Body
cg21529532	chr4	189012434 -0.004	0.09	TRIML2	3'UTR
cg24903794	chr1	220220036 0.002	0.09	EPRS	TSS200
cg14975632	chr2	56410676 0.035	0.09	CCDC85A	TSS1500
cg17511741	chr22	51039434 0.027	0.09	MAPK8IP2	Body
cg18520851	chr5	115149189 -0.004	0.091	CDO1	Body
cg16236228	chr12	49205158 -0.004	0.091	-	-
cg01596520	chr19	14225029 -0.029	0.091	PRKACA;PRKACA	TSS200;Body
cg11019743	chr6	168267395 -0.005	0.091	MLLT4;MLLT4;MLLT4	Body;Body;Body
cg07358267	chr2	71504232 0.005	0.091	-	-
cg13339771	chr3	181171744 -0.005	0.091	-	-
cg02612963	chr9	114287383 0.018	0.091	ZNF483;ZNF483	TSS200;TSS200
cg12509435	chr12	94853886 0.007	0.091	CCDC41;CCDC41;LOC144486	TSS200;TSS200;Body
cg16257533	chr11	131934835 -0.089	0.091	NTM;NTM;NTM;NTM	Body;Body;Body;Body
cg11569979	chr6	94127222 0.004	0.091	EPHA7	Body
cg00318799	chr17	73937186 0.006	0.091	FBF1	TSS200
cg15187606	chr1	47656853 -0.008	0.092	PDZK1IP1	TSS1500
cg24475272	chr4	140432613 -0.062	0.092	SETD7	3'UTR
cg18759102	chr1	3100343 0.013	0.092	PRDM16;PRDM16	Body;Body
cg22217158	chr5	72595188 0.011	0.092	-	-
cg01831166	chr2	198570100 0.03	0.092	MARS2;MARS2	1stExon;5'UTR
cg24805875	chr6	117086941 0.007	0.092	FAM162B	TSS200
cg18670721	chr6	34113570 0.002	0.092	-	-
cg17459092	chr4	25508058 0.007	0.092	-	-
cg09363539	chr3	124931746 0.065	0.092	SLC12A8	TSS200
cg13783786	chr9	112697363 -0.052	0.092	PALM2;PALM2-AKAP2;PALM2;PALM2-AI	Body;Body;Body;Body
cg18181363	chr1	2766788 -0.007	0.092	-	-
cg11172396	chr2	153295007 -0.006	0.092	FMNL2	Body
cg00230869	chr2	70418140 0.007	0.092	C2orf42;C2orf42	1stExon;5'UTR
cg01716474	chr6	56615274 -0.002	0.092	DST;DST;DST;DST	Body;Body;Body;Body
cg23213951	chr1	17551678 -0.005	0.092	PADI1	Body
cg07263853	chr5	180047686 -0.01	0.092	FLT4;FLT4	Body;Body
cg05158219	chr17	27230214 0.002	0.092	DHRS13	TSS200
cg26515805	chr1	211431828 0.014	0.092	RCOR3;RCOR3;RCOR3;RCOR3	TSS1500;TSS1500;TSS1500;TSS1500
cg20898773	chr18	77543269 -0.015	0.092	-	-
cg05153861	chr7	100492700 0.016	0.092	ACHE;ACHE	5'UTR;5'UTR
cg13269439	chr11	65819848 0.008	0.092	SF3B2;SF3B2	1stExon;5'UTR
cg01916421	chr4	1302238 -0.004	0.092	MAEA;MAEA	Body;Body
cg15616358	chr11	68610296 0.006	0.092	CPT1A;CPT1A	TSS1500;TSS1500
cg25939543	chr1	1344064 -0.008	0.092	MRPL20	TSS1500
cg04430582	chr17	6922320 -0.008	0.092	MIR195;MIR497	TSS1500;TSS1500
cg04235625	chr17	7314239 -0.005	0.092	NLGN2	Body
cg03765206	chr11	19429376 -0.006	0.093	NAV2	Body
cg17696109	chr16	30441409 0.006	0.094	DCTPP1	TSS200
cg21191461	chr9	100846886 -0.005	0.094	TRIM14;TRIM14;TRIM14;TRIM14	3'UTR;3'UTR;3'UTR;3'UTR
cg00071727	chr13	98869894 -0.006	0.095	FARP1;FARP1	Body;Body
cg08653904	chr1	8497643 -0.004	0.095	REPER;REPER	Body;Body
cg26003386	chr19	14116507 0.004	0.096	RFX1	5'UTR
cg21482403	chr19	12889342 0.009	0.096	-	-
cg27315601	chr10	464965 -0.014	0.097	DIP2C	Body

cg05487290	chr11	2029538	-0.006	0.099	-	-
cg00599252	chr11	64491089	0.001	0.099	NRXN2;NRXN2	TSS1500;TSS1500
cg13679216	chr9	99801723	0.007	0.1	CTSL2	TSS200
cg22124590	chr6	126081226	-0.039	0.1	HEY2	3'UTR
cg13074813	chr1	205208323	-0.018	0.1	TMCC2	Body
cg13354241	chr2	64447091	-0.019	0.1	-	-
cg15204594	chr19	16531632	-0.008	0.1	EPS15L1	Body
cg11289677	chr6	32049829	-0.006	0.1	TNXB	Body
cg13216303	chr1	153643044	0.005	0.1	ILF2	Body
cg27171704	chr17	45786010	-0.013	0.1	TBKBP1	Body
cg23257564	chr1	115396035	-0.005	0.1	SYCP1	TSS1500
cg18177819	chr1	93807387	-0.004	0.1	-	-
cg20633595	chr15	66993262	0.003	0.1	SMAD6;SMAD6	TSS1500;TSS1500
cg04315947	chr10	98272633	0.003	0.101	TLL2	Body
cg22687475	chr2	106472123	-0.008	0.101	NCK2;NCK2;NCK2	Body;Body;Body
cg17725472	chr1	203198757	-0.006	0.101	CHIT1	1stExon
cg08898653	chr1	20811220	0.013	0.101	CAMK2N1	Body
cg21153026	chr5	130599493	0.011	0.101	CDC42SE2;CDC42SE2	TSS1500;TSS1500
cg04537050	chr16	3149195	-0.014	0.101	-	-
cg24260847	chr8	37595307	0.004	0.101	ERLIN2;ERLIN2;ERLIN2	5'UTR;5'UTR;5'UTR
cg17982504	chr16	68056849	0.006	0.101	DDX28;DUS2L	1stExon;TSS1500
cg07123769	chr5	1809881	-0.009	0.101	NDUFS6	Body
cg11639225	chr3	129147230	0.011	0.101	C3orf25	Body
cg21356233	chr4	7206906	-0.006	0.101	SORCS2	Body
cg16860991	chr4	40059040	0.011	0.103	N4BP2;LOC344967	5'UTR;TSS1500
cg16639860	chr4	20885019	-0.009	0.103	KCNIP4;KCNIP4;KCNIP4;KCNIP4;KCNIP4	Body;Body;5'UTR;5'UTR;TSS1500
cg12557254	chr5	149907837	-0.004	0.103	NDST1	Body
cg03233548	chr16	88949985	-0.013	0.103	CBFA2T3;CBFA2T3	Body;Body
cg13072186	chr3	176904010	-0.004	0.103	TBL1XR1	5'UTR
cg00342743	chr10	76970673	0.009	0.103	VDAC2;VDAC2	5'UTR;1stExon
cg07337129	chr16	30035757	-0.002	0.103	C16orf92;C16orf92;FAM57B	3'UTR;3'UTR;3'UTR
cg07561400	chr7	138794433	0.004	0.103	ZC3HAV1;ZC3HAV1;ZC3HAV1;ZC3HAV1	1stExon;5'UTR;5'UTR;1stExon
cg05755899	chr17	80794139	-0.014	0.103	TBCD;ZNF750	Body;5'UTR
cg23905944	chr20	62571879	-0.015	0.103	UCKL1	Body
cg19038968	chr11	61559962	0.003	0.103	C11orf10;FEN1	Body;TSS200
cg01553063	chr11	560751	0.007	0.103	RASSF7;RASSF7;RASSF7;C11orf35;C11orf	TSS1500;TSS1500;TSS1500;1stExon;5'UTR
cg05104639	chr15	96596922	0.003	0.103	-	-
cg22736850	chr20	18039663	0.007	0.103	OVOL2	TSS1500
cg07115975	chr9	98273907	0.004	0.103	PTCH1;PTCH1	Body;Body
cg20126158	chr5	10353332	0.005	0.103	MARCH6	TSS1500
cg08870433	chr19	2900646	0.005	0.103	ZNF57	TSS1500
cg03970591	chr10	132892187	-0.01	0.103	TCERG1L	Body
cg00909769	chr8	98956478	-0.006	0.103	MATN2;MATN2	Body;Body
cg01962821	chr1	180491530	-0.015	0.103	-	-
cg14405643	chr9	131938218	0.006	0.103	IER5L;IER5L	3'UTR;1stExon
cg14228683	chr9	139118973	-0.01	0.103	QSOX2	Body
cg07492770	chr18	77160396	0.007	0.103	NFATC1;NFATC1;NFATC1;NFATC1;NFATC1	Body;1stExon;5'UTR;1stExon;Body
cg16030510	chr17	34195902	-0.004	0.103	C17orf66	TSS200
cg19403653	chr3	158519645	0.007	0.103	MFS1;MFS1	TSS200;TSS200
cg00264208	chr22	42466584	0.013	0.103	NAGA;NAGA	1stExon;5'UTR
cg24018520	chr4	175133103	0.007	0.103	-	-
cg07157571	chr16	85496172	0.007	0.103	-	-
cg03332464	chr5	43120927	0.004	0.103	ZNF131	TSS1500
cg03651608	chr8	26724234	0.018	0.103	ADRA1A;ADRA1A;ADRA1A;ADRA1A	TSS1500;TSS1500;TSS1500;TSS1500
cg02734600	chr16	67467751	-0.014	0.103	HSD11B2	Body
cg12794691	chr3	111805077	0.004	0.103	C3orf52	TSS200
cg05113840	chr16	86609422	0.016	0.103	-	-
cg21408360	chr1	203493477	-0.048	0.103	-	-
cg07176609	chr1	175377364	-0.002	0.103	TNR	5'UTR
cg05937055	chr1	181128764	0.049	0.103	-	-
cg04420547	chr11	66676295	-0.009	0.103	PC;PC;PC	5'UTR;TSS1500;5'UTR
cg04841837	chr1	76574405	-0.003	0.103	ST6GALNAC3;ST6GALNAC3	Body;Body
cg02214595	chr16	67143798	0.006	0.103	C16orf70	TSS200
cg18768612	chr1	22378488	-0.015	0.103	CDC42;CDC42;CDC42	TSS1500;TSS1500;TSS1500
cg18206105	chr10	104678778	0.016	0.103	CNNM2;CNNM2;CNNM2	1stExon;1stExon
cg11582993	chr1	236767997	0.011	0.103	HEATR1	TSS200
cg11967108	chr4	140704455	-0.002	0.103	MAML3	Body
cg22059713	chr2	97001304	0.007	0.103	NCAHP	TSS200
cg25402685	chr13	52980264	0.009	0.103	THSD1;THSD1;THSD1;THSD1	5'UTR;1stExon;5'UTR;1stExon
cg19749660	chr8	65284514	0.006	0.103	-	-
cg09191485	chr20	61734520	0.007	0.103	HAR1A;HAR1B	Body;TSS1500
cg17418463	chr1	35395541	0.01	0.103	-	-
cg00348763	chr19	40696613	0.021	0.103	MAP3K10	TSS1500
cg26880865	chr5	135465944	-0.005	0.103	SMAD5OS	Body
cg19673484	chr11	19890564	-0.007	0.103	NAV2;NAV2;NAV2	Body;Body;Body
cg12894524	chr12	116997069	0.009	0.103	MAP1LC3B2	TSS200
cg18055018	chr16	1251966	-0.019	0.103	CACNA1H;CACNA1H	Body;Body
cg12290779	chr10	104211761	-0.009	0.104	C10orf95	TSS1500
cg02379856	chr4	114505779	-0.04	0.104	CAMK2D;CAMK2D;CAMK2D;CAMK2D;CA	Body;Body;Body;Body;Body
cg14124405	chr10	72513669	-0.017	0.104	ADAMTS14;ADAMTS14	Body;Body
cg09133485	chr4	8386266	-0.009	0.104	ACOX3;ACOX3	Body;Body
cg05027052	chr2	55458451	-0.002	0.104	C2orf63;RPS27A;RPS27A;C2orf63	5'UTR;TSS1500;TSS1500;5'UTR
cg08231350	chr14	89290726	0.01	0.104	TTC8;TTC8;TTC8	TSS1500;TSS1500;TSS1500
cg16987765	chr7	85010741	-0.007	0.104	-	-
cg18718425	chr11	67397920	0.005	0.104	NUDT8	TSS1500
cg22841079	chr3	11617586	-0.004	0.104	VGLL4;VGLL4;VGLL4	Body;Body;Body
cg26878046	chr10	30301987	-0.006	0.104	KIAA1462	3'UTR
cg01332711	chr15	42120681	0.006	0.104	JMJD7-PLA2G4B;JMJD7;JMJD7-PLA2G4B	Body;Body;Body
cg07012091	chr17	30186062	0.005	0.104	C17orf79	Body
cg26989646	chr2	28630576	-0.021	0.104	FOSL2	Body
cg07235607	chr11	34196158	0.007	0.104	ABTB2	Body
cg02929869	chr3	149688583	0.005	0.104	PFN2;PFN2	1stExon;1stExon
cg26988853	chr16	67695978	-0.014	0.104	PAR6A;ACD;ACD;PAR6A;ACD	Body;TSS1500;TSS1500;Body;TSS1500
cg02450959	chr8	42698393	0.009	0.104	THAP1;THAP1;THAP1;THAP1	1stExon;1stExon;5'UTR;5'UTR
cg05161938	chr1	175036986	-0.017	0.104	TNN	TSS200
cg09045508	chr21	19191866	0.006	0.104	C21orf91;C21orf91;C21orf91	TSS200;TSS200;TSS200
cg05342469	chr4	183601649	-0.014	0.104	ODZ3	Body
cg23623622	chr6	30139880	0.01	0.104	TRIM15	Body
cg06387842	chr3	184099096	0.007	0.104	CHRD	Body
cg11262093	chr7	150746280	-0.004	0.104	ACCN3;ACCN3;ACCN3	1stExon;1stExon;1stExon
cg09160037	chr1	109584686	0.01	0.104	WDR47;WDR47;WDR47;WDR47;WDR47	1stExon;5'UTR;1stExon;5'UTR;5'UTR;1stExon
cg00026030	chr21	34100439	0.012	0.104	SYNJ1;SYNJ1;SYNJ1;SYNJ1	TSS200;TSS200;TSS200;TSS200
cg19051105	chr6	42928407	0.005	0.104	GNMT	TSS200
cg00686030	chr2	242639277	-0.003	0.104	-	-

cg26481727	chr16	89410474	-0.007	0.104	ANKRD11	5'UTR
cg13901539	chr9	116811633	-0.002	0.104	ZNF618	Body
cg18294881	chr3	45429876	0.003	0.104	LARS2	TSS200
cg24151267	chr17	48556017	0.016	0.104	RSAD1	TSS200
cg12596520	chr11	66627706	-0.021	0.104	PC;PC;LRFN4;PC	Body;Body;3'UTR;Body
cg14743708	chr6	33752667	-0.009	0.105	LEMD2;LEMD2	5'UTR;Body
cg13637893	chr14	101492191	-0.008	0.105	MIR758;MIR329-2;MIR329-1	TSS200;TSS1500;TSS1500
cg09231725	chr11	64357281	-0.009	0.105	SLC22A12;SLC22A12	TSS1500;TSS1500
cg21774561	chr17	80209247	0.013	0.105	CSNK1D;CSNK1D	Body;Body
cg00805381	chr6	24720818	0.005	0.105	C6orf62	TSS1500
cg03582537	chr8	64081405	0.01	0.105	YTHDF3;YTHDF3	1stExon;5'UTR
cg17460095	chr14	53418048	0.006	0.105	FERMT2;FERMT2;FERMT2	TSS1500;TSS1500;TSS1500
cg08610982	chr6	31560871	0.026	0.105	NCR3;NCR3;NCR3	TSS200;TSS200;TSS200
cg03755123	chr10	135043508	0.008	0.105	UTF1	TSS1500
cg01325029	chr15	40804295	0.008	0.105	-	-
cg09650414	chr2	153574329	0.045	0.105	ARL6IP6;ARL6IP6;PRPF40A	TSS200;TSS200;TSS1500
cg00679960	chr4	7026510	-0.007	0.105	TBC1D14;TBC1D14;TBC1D14	Body;Body;Body
cg09345431	chr20	47538576	0.009	0.105	ARFGF2	Body
cg05054438	chr12	112213531	0.002	0.105	ALDH2	Body
cg02172466	chr1	10708003	-0.012	0.105	CASZ1;CASZ1	Body;Body
cg09413946	chr16	11267859	-0.007	0.105	CLEC16A	Body
cg22434923	chr21	46289921	-0.067	0.105	PTTG1IP	Body
cg18048309	chr8	145787687	-0.005	0.105	KIAA1688	Body
cg27444994	chr16	62070072	0.005	0.105	CDH8	TSS200
cg09390137	chr2	242824270	0.005	0.105	-	-
cg22097731	chr15	63344436	0.004	0.105	TPM1;TPM1;TPM1;TPM1;TPM1	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg11020894	chr3	186659238	-0.004	0.106	ST6GAL1;ST6GAL1	5'UTR;5'UTR
cg18870712	chr19	58193426	0.005	0.106	ZNF551;ZNF551	1stExon;5'UTR
cg13576991	chr1	223257466	-0.01	0.106	-	-
cg09072381	chr1	3817038	0.011	0.106	LOC100133612;C1orf174	Body;TSS200
cg13487183	chr13	78428203	-0.002	0.106	-	-
cg25692002	chr6	169586434	-0.003	0.106	-	-
cg10038542	chr8	23315318	0.006	0.106	ENTPD4;ENTPD4	TSS200;TSS200
cg13508904	chr9	131317330	-0.005	0.106	SPTAN1;SPTAN1	5'UTR;5'UTR
cg08558397	chr7	752149	0.015	0.106	PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B;P	5'UTR;5'UTR;5'UTR;5'UTR;5'UTR;1stExon
cg03147210	chr1	151882284	0.005	0.106	THEM4	TSS200
cg03570766	chr11	65793706	-0.006	0.106	CATSPER1	1stExon
cg06391926	chr16	1832733	0.021	0.106	NUBP2;SPSB3	TSS200;TSS200
cg14208664	chr12	132392636	-0.015	0.106	ULK1	Body
cg17422774	chr10	124901928	0.006	0.106	-	-
cg03749016	chr8	23564591	0.006	0.106	NKX2-6	TSS1500
cg16970828	chr3	49851353	0.003	0.106	UBA7;UBA7	5'UTR;1stExon
cg00424677	chr19	32836465	0.006	0.106	ZNF507;ZNF507	TSS200;TSS200
cg03883605	chr12	48744947	0.009	0.106	ZNF641	TSS1500
cg27383651	chr6	28888809	-0.013	0.106	TRIM27	Body
cg04006554	chr6	46138530	0.004	0.106	ENPP5	5'UTR
cg12763811	chr1	220267521	0.018	0.106	IARS2;IARS2	5'UTR;1stExon
cg22950754	chr20	30540671	-0.028	0.106	PDRG1	TSS1500
cg06267617	chr1	172291727	-0.004	0.106	DNM3;DNM3	Body;Body
cg05853788	chr11	45924434	-0.006	0.106	MAPK8IP1	Body
cg02280038	chr9	94124655	-0.004	0.106	AUH	TSS1500
cg18763854	chr1	22987905	-0.008	0.106	C1QB	3'UTR
cg03797501	chr15	75018774	0.013	0.106	CYP1A1	TSS1500
cg17176423	chr15	85278581	0.01	0.106	-	-
cg18635631	chr12	718175	-0.005	0.106	NINJ2	Body
cg15047833	chr16	57496411	0.006	0.106	POLR2C	TSS200
cg00126636	chr16	237282	-0.002	0.106	-	-
cg23252902	chr6	711405	0.01	0.106	-	-
cg23045373	chr8	11324048	0.013	0.106	FAM167A	5'UTR
cg22440943	chr1	77224035	-0.006	0.106	-	-
cg01313514	chr1	228194916	0.005	0.106	WNT3A	Body
cg07541442	chr3	9691049	0.006	0.106	MTMR14;MTMR14;MTMR14	TSS200;TSS200;TSS200
cg00890916	chr20	30158833	-0.008	0.106	-	-
cg17572903	chr20	4713223	-0.008	0.106	CSE1L	3'UTR
cg07344172	chr1	200980488	-0.004	0.106	KIF21B	Body
cg23586792	chr2	200423026	-0.004	0.106	-	-
cg14284643	chr6	30524853	0.019	0.106	PRR3;PRR3;PRR3;GNL1;PRR3;GNL1	5'UTR;5'UTR;1stExon;5'UTR;1stExon;1stExon
cg13046832	chr14	29254680	0.003	0.106	C14orf23	Body
cg11242978	chr22	46423387	0.079	0.106	-	-
cg09028651	chr1	16061414	-0.003	0.106	SLC25A34	TSS1500
cg09892426	chr1	241587493	0.012	0.106	-	-
cg26430365	chr1	2103575	-0.011	0.106	PRKCZ;PRKCZ;PRKCZ	Body;Body;Body
cg26446350	chr16	87730071	-0.015	0.106	JPH3	Body
cg00037406	chr19	835147	-0.013	0.106	-	-
cg25769347	chr5	155826845	-0.007	0.106	SGCD;SGCD;SGCD	Body;Body;Body
cg24229334	chr1	169075671	0.006	0.106	ATP1B1;ATP1B1	TSS1500;TSS1500
cg00454447	chr16	3728185	-0.012	0.106	TRAP1	Body
cg06315217	chr6	1629850	-0.049	0.106	GMDS	Body
cg00444884	chr22	48886784	0.008	0.106	FAM19A5	Body
cg24825299	chr20	3896885	-0.005	0.106	PANK2;MIR103-2;PANK2;PANK2	Body;TSS1500;Body;Body
cg23533073	chr14	89884062	0.003	0.106	FOXN3;FOXN3	TSS1500;5'UTR
cg05859679	chr5	145724643	0.004	0.106	-	-
cg26530020	chr8	18829986	-0.004	0.106	PSD3	Body
cg04096368	chr21	43988782	-0.017	0.106	SLC37A1	Body
cg07855993	chr19	19174295	0.005	0.106	SLC25A42	TSS1500
cg03824268	chr11	47445642	-0.005	0.106	PSMC3	Body
cg26886686	chr17	76251566	-0.005	0.106	-	-
cg11108060	chr2	111879843	0.006	0.106	BCL2L11;BCL2L11;BCL2L11	5'UTR;5'UTR;5'UTR
cg16205958	chr5	124653247	-0.003	0.106	-	-
cg26404867	chr12	133357367	-0.006	0.106	GOLGA3	Body
cg18392016	chr6	117591684	0.014	0.106	VGLL2;VGLL2	Body;Body
cg00994587	chr16	2984407	-0.007	0.106	FLYWCH1;FLYWCH1	Body;Body
cg23844872	chr4	105411974	0.004	0.106	CXCC4	1stExon
cg15542283	chr12	131512498	-0.009	0.106	GPR133	Body
cg22681055	chr12	58752983	-0.002	0.106	-	-
cg18643092	chr12	13233802	-0.012	0.106	KIAA1467	3'UTR
cg17353721	chr7	1537171	-0.003	0.106	INTS1	Body
cg02629313	chr2	36655025	-0.011	0.106	CRIM1	Body
cg18991449	chr14	77536428	-0.007	0.106	-	-
cg09275704	chr16	54317042	0.015	0.106	-	-
cg23209302	chr1	1326152	-0.016	0.106	CCNL2;CCNL2;CCNL2;CCNL2	Body;3'UTR;3'UTR;3'UTR
cg16586880	chr8	140854244	-0.007	0.106	TRAPPC9;TRAPPC9	Body;Body
cg07222943	chr7	2958284	-0.006	0.106	CARD11	Body
cg07597069	chr8	144994356	-0.003	0.106	PLEC1;PLEC1;PLEC1;PLEC1;PLEC1;PLEC1	Body;Body;Body;Body;Body;Body;Body

cg14825828	chr1	220219906	0.011	0.106	EPRS;EPRS	1stExon;5'UTR
cg11108432	chr8	10697698	0.003	0.106	PINX1	TSS1500
cg19147912	chr17	17596386	-0.058	0.106	RAI1	5'UTR
cg05348708	chr17	79520615	0.005	0.106	C17orf70;C17orf70	TSS1500;TSS1500
cg09951201	chr5	1100096	-0.007	0.107	SLC12A7	Body
cg07930875	chr19	42932532	-0.008	0.107	LIPE	TSS1500
cg14810013	chr4	66535412	0.026	0.107	EPHA5;EPHA5	1stExon;1stExon
cg11687679	chr13	37573611	0.02	0.107	EXOSC8;ALG5;ALG5	TSS1500;TSS200;TSS200
cg09812623	chr16	215781	0.013	0.107	HBM	TSS200
cg01678313	chr3	13083892	-0.017	0.107	IQSEC1	Body
cg26464006	chr10	1034338	0.01	0.107	GTPBP4	TSS200
cg23608384	chr13	112225387	-0.003	0.107	-	-
cg14159336	chr1	228645796	0.019	0.107	HIST3H2A;HIST3H2BB	TSS1500;TSS200
cg15848095	chr4	38426028	-0.005	0.107	-	-
cg09325375	chr11	22450715	-0.011	0.107	-	-
cg17853779	chr10	43932449	0.006	0.107	ZNF487	TSS200
cg13409589	chr11	3013777	0.01	0.107	NAP1L4	TSS200
cg02574254	chr1	57567746	-0.007	0.107	DAB1	Body
cg00766146	chr1	2248719	-0.002	0.107	-	-
cg11300777	chr13	109568637	-0.009	0.107	MYO16	Body
cg11802985	chr3	55682558	-0.007	0.107	ERC2	3'UTR
cg13861399	chr11	66413913	-0.012	0.107	RBM4	3'UTR
cg02193762	chr11	36399139	0.005	0.107	PRR5L;PRR5L;PRR5L	5'UTR;5'UTR;Body
cg01667319	chr11	2161128	0.004	0.107	INS-IGF2;IGF2AS;IGF2;IGF2AS;IGF2	Body;TSS1500;Body;5'UTR;TSS1500;TSS1500
cg09289251	chr16	2207865	-0.008	0.107	TRAF7	5'UTR
cg18349281	chr19	4944398	-0.009	0.107	UHRF1;UHRF1	Body;Body
cg02873427	chr8	145514720	0.007	0.108	BOP1;HSF1	Body;TSS1500
cg24854681	chr7	99691314	-0.012	0.108	MCM7;MCM7;MIR25	Body;Body;TSS200
cg06529439	chr2	88991002	0.033	0.108	RPIA	TSS200
cg05103957	chr11	119598497	0.005	0.108	PVRL1;PVRL1;PVRL1	Body;Body;Body
cg25655069	chr2	73114919	0.004	0.108	SPR	Body
cg14210494	chr17	46048073	0.012	0.108	CDK5RAP3	TSS1500
cg12562660	chr2	121689039	-0.004	0.108	GLI2	Body
cg05469695	chr2	3789953	0.002	0.108	CDC42EP3	TSS1500
cg19078769	chr12	124457941	0.007	0.108	ZNF664;ZNF664;CCDC92	1stExon;5'UTR;TSS1500
cg23193320	chr3	11608514	-0.008	0.108	VGLL4;VGLL4;VGLL4;VGLL4	Body;Body;Body;Body
cg15578176	chr1	1201631	-0.008	0.108	UBE2J2;UBE2J2;UBE2J2;UBE2J2	Body;5'UTR;Body;5'UTR
cg24304050	chr1	11107870	-0.006	0.108	MASP2;MASP2	TSS1500;TSS1500
cg22674248	chr17	74275085	-0.01	0.108	QRICH2	Body
cg15032444	chr6	43027766	0.012	0.108	KLC4;KLC4;KLC4;KLC4;KLC4;MRPL2	TSS1500;5'UTR;5'UTR;5'UTR;1stExon;TSS1500
cg02033788	chr1	226310108	0.004	0.108	-	-
cg05307923	chr10	1779667	0.006	0.108	ADARB2;ADARB2	1stExon;5'UTR
cg27193335	chr3	40351750	0.005	0.108	EIF1B	Body
cg11344026	chr11	71144007	-0.01	0.108	-	-
cg03591496	chr6	33280653	0.01	0.108	TAPBP;TAPBP;TAPBP	Body;Body;Body
cg19255608	chr1	153581655	-0.008	0.108	S100A16	5'UTR
cg24620617	chr4	903575	-0.012	0.108	GAK	Body
cg18648693	chr17	79609067	-0.003	0.108	TSPAN10	TSS1500
cg18090489	chr13	45992445	0.005	0.108	SLC25A30;SLC25A30	1stExon;5'UTR
cg07603922	chr8	13424184	0.004	0.108	C8orf48	TSS200
cg12624523	chr6	24489770	-0.004	0.108	GPLD1;GPLD1;GPLD1;GPLD1	1stExon;5'UTR;5'UTR;1stExon
cg26256560	chr10	133039159	-0.026	0.108	TCERG1L	Body
cg13787134	chr9	96362102	-0.004	0.108	PHF2	Body
cg12222244	chr3	181633701	-0.004	0.108	-	-
cg08914797	chr11	126870648	0.009	0.108	KIRREL3;KIRREL3;KIRREL3;KIRREL3	1stExon;5'UTR;5'UTR;1stExon
cg05768565	chr4	7553433	-0.002	0.108	SORCS2	Body
cg16194451	chr6	31827554	-0.004	0.108	NEU1	Body
cg15065561	chr19	22319196	-0.004	0.108	-	-
cg16251641	chr19	3527905	-0.005	0.108	FZR1;FZR1;FZR1	Body;Body;Body
cg19708903	chr10	133784308	-0.008	0.108	BNIP3	Body
cg05030481	chr5	1445593	0.005	0.109	SLC6A3	TSS200
cg00106420	chr12	122711188	0.001	0.109	DIABLO;DIABLO;DIABLO;DIABLO	Body;5'UTR;5'UTR;Body
cg07333862	chr1	2158915	0.006	0.109	SKI	TSS1500
cg11339840	chr1	203596058	0.011	0.109	ATP2B4;ATP2B4;ATP2B4;ATP2B4	5'UTR;1stExon;5'UTR;1stExon
cg11664417	chr5	71883710	-0.049	0.109	-	-
cg09340205	chr14	86871512	-0.003	0.109	-	-
cg05087067	chr14	105715741	-0.011	0.109	BTBD6;BRF1	Body;Body
cg02743136	chr17	75398583	-0.01	0.109	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9	Body;Body;Body;Body;Body
cg22883710	chr15	64455389	0.006	0.109	PP1B	TSS200
cg07719258	chr1	1874140	-0.006	0.109	-	-
cg20433829	chr1	3544245	-0.005	0.11	TPRG1L	Body
cg00022235	chr16	11764847	-0.016	0.11	SNN	5'UTR
cg01744607	chr15	62868070	-0.002	0.11	-	-
cg26786037	chr12	109825623	-0.007	0.11	MYO1H	TSS1500
cg26127025	chr5	2703138	-0.011	0.11	-	-
cg26409494	chr7	54864933	-0.01	0.11	-	-
cg00876376	chr1	45096728	-0.005	0.11	RNF220	Body
cg10811474	chr19	8428787	0.007	0.11	ANGPTL4;ANGPTL4	TSS1500;TSS1500
cg21923077	chr11	64053511	0.006	0.111	BAD;GPR137;GPR137;BAD;GPR137;GPR137	TSS1500;Body;TSS200;TSS1500;TSS200;5'UTR
cg00000948	chr8	49890609	-0.019	0.111	-	-
cg17082598	chr2	131555097	0.008	0.111	-	-
cg16267162	chr6	112575419	0.004	0.111	LAMA4;LAMA4;LAMA4;LAMA4;LAMA4	5'UTR;5'UTR;5'UTR;5'UTR;5'UTR
cg07432687	chr2	97173990	0.007	0.111	NEURL3	TSS200
cg10820904	chr17	64412745	-0.003	0.111	PRKCA	Body
cg04821794	chr15	29562049	0.028	0.111	NDNL2;FAM189A1	TSS200;Body
cg11495387	chr6	143999058	0.011	0.111	PHACTR2;PHACTR2;PHACTR2;PHACTR2	TSS200;Body;Body;TSS200
cg27479693	chr17	17495173	0.019	0.111	PEMT	TSS200
cg26067203	chr1	1935289	0.003	0.111	KIAA1751	TSS200
cg12446644	chr17	37026641	0.023	0.111	LASP1	Body
cg04249559	chr12	655964	-0.008	0.111	B4GALNT3	Body
cg16805150	chr7	6570684	0.022	0.111	GRID2IP	Body
cg25872941	chr10	112679480	0.013	0.111	NCRNA00081;NCRNA00081;SHOC2;NCR1	TSS1500;TSS1500;5'UTR;TSS1500;TSS1500;TSS1500
cg04838050	chr12	53172395	-0.005	0.111	KRT76	TSS1500
cg09444108	chr12	133186599	-0.004	0.112	-	-
cg21555798	chr7	6655727	0.006	0.112	ZNF853;ZNF853	5'UTR;1stExon
cg08267002	chr2	74741573	0.009	0.112	TLX2	TSS200
cg19209355	chr4	8345155	-0.006	0.112	-	-
cg01450390	chr19	54483251	0.002	0.112	CACNG8	Body
cg20480259	chr6	31937462	-0.018	0.113	STK19;SKIV2L	TSS1500;Body
cg20651084	chr2	27593292	0.006	0.113	EIF2B4;EIF2B4;SNX17;EIF2B4;EIF2B4;EIF2B4	5'UTR;5'UTR;TSS200;TSS1500;1stExon;1stExon
cg25238982	chr13	98893089	-0.007	0.113	FARP1;FARP1	Body;Body
cg25553824	chr2	42649036	-0.01	0.113	-	-
cg18202263	chr12	38984007	-0.006	0.113	-	-
cg08661899	chr6	132722664	0.01	0.113	MOXD1	TSS200

cg19187185	chr6	90122497	0.001	0.116	RRAGD	TSS1500
cg03305095	chr20	60941912	0.004	0.116	LAMA5	Body
cg15745894	chr20	3151981	-0.009	0.116	-	-
cg12806521	chr12	6677729	0.01	0.116	NOP2;NOP2	TSS1500;TSS1500
cg05052734	chr4	152024975	-0.004	0.116	RPS3A;SNORD73A	Body;TSS200
cg03087897	chr19	14550846	0.01	0.116	PKN1;PKN1	TSS1500;Body
cg14707638	chr2	242169319	-0.02	0.116	HDLBP;HDLBP	Body;Body
cg06907053	chr2	106015869	0.046	0.116	FHL2;FHL2;FHL2;FHL2	TSS200;5'UTR;TSS200;TSS1500
cg21609034	chr20	3869759	0.011	0.116	PANK2;PANK2;PANK2	5'UTR;TSS1500;1stExon
cg03710333	chr4	1722958	0.007	0.116	TMEM129;TACC3;TMEM129;TMEM129	5'UTR;TSS1500;5'UTR;1stExon;1stExon
cg25448062	chr11	61580118	-0.005	0.116	FADS1	Body
cg04371818	chr17	77987371	-0.011	0.116	TBC1D16	5'UTR
cg21951425	chr15	26108612	0.009	0.116	ATP10A	TSS1500
cg22218588	chr6	155548093	-0.01	0.116	TIAM2;TIAM2	Body;5'UTR
cg09403249	chr12	45444203	0.005	0.116	DBX2	Body
cg19099796	chr1	221052718	0.008	0.116	HLX	TSS200
cg06670612	chr19	42082485	0.005	0.116	CEACAM21;CEACAM21	TSS200;TSS200
cg27202210	chr15	78933671	0.006	0.116	CHRNB4	TSS200
cg12147572	chr19	7827744	-0.003	0.116	CLEC4M;CLEC4M;CLEC4M;CLEC4M;CLEC4M	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg07475546	chr17	78811828	-0.011	0.117	RPTOR;RPTOR	Body;Body
cg02450267	chr6	29627395	-0.006	0.117	MOG;MOG;MOG;MOG;MOG;MOG;MOG	Body;Body;Body;Body;Body;Body;Body;Body;Body;Body
cg16645539	chr9	15422589	0.005	0.117	SNAPC3	TSS200
cg12417955	chr10	134587811	-0.003	0.117	INPP5A	Body
cg21707311	chr8	67940640	0.007	0.117	LRRFC67	5'UTR
cg14823162	chr6	99281628	0.002	0.117	POU3F2	TSS1500
cg07840541	chr1	213626018	-0.003	0.117	-	-
cg13631916	chr6	117086931	0.002	0.117	FAM162B	TSS200
cg09408116	chr16	58161544	0.007	0.117	C16orf80	Body
cg17543885	chr6	151562429	0.012	0.117	AKAP12	Body
cg21541030	chr1	90098339	0.009	0.117	LRRFC8C	TSS1500
cg18855836	chr13	67804654	0.002	0.117	PCDH9;PCDH9	TSS200;TSS200
cg14980983	chr20	61051039	0.007	0.117	GATA5	TSS200
cg05580441	chr17	78878844	-0.015	0.117	RPTOR;RPTOR	Body;Body
cg08012521	chr17	46719864	0.015	0.117	-	-
cg25716286	chr1	28655639	0.004	0.118	MED18;MED18;MED18	5'UTR;1stExon;5'UTR
cg06288071	chr16	1722105	-0.006	0.118	CRAMP1L	Body
cg14095637	chr6	31371351	0.006	0.118	MICA	TSS200
cg25827112	chr1	45956773	0.005	0.118	TESK2;TESK2	5'UTR;1stExon
cg07393458	chr17	57297757	0.006	0.118	GDPD1;GDPD1;GDPD1	TSS200;TSS200;TSS200
cg19556284	chr6	158909455	-0.008	0.118	TULP4;TULP4	Body;Body
cg20242065	chr1	15755275	-0.008	0.118	EFHD2	3'UTR
cg09288089	chr7	43563447	-0.011	0.118	HECW1	Body
cg10305485	chr17	6554977	0.008	0.118	C17orf100;MED31	TSS200;TSS200
cg21369890	chr6	86100013	-0.006	0.118	-	-
cg07433178	chr5	149999249	-0.016	0.118	SYNPO;SYNPO	Body;Body
cg13791269	chr7	1971233	-0.017	0.118	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg08670383	chr5	175257943	-0.006	0.118	CPLX2	5'UTR
cg09547777	chr1	160160232	-0.007	0.118	CASQ1	TSS200
cg24145146	chr8	92129661	-0.004	0.118	LRRFC69	Body
cg01988233	chr16	88885049	-0.016	0.118	GALNS	Body
cg01381797	chr10	22630327	0.008	0.118	-	-
cg08695336	chr8	32406150	0.009	0.119	NRG1;NRG1;NRG1;NRG1;NRG1;NRG1;NRG1	1stExon;5'UTR;5'UTR;1stExon;5'UTR;1stExon;5'UTR;5'UTR;5'UTR;Body;5'UTR;1stExon;1stExon;1stExon
cg05802477	chr12	132629385	0.01	0.119	DDX51;NOC4L	TSS1500;Body
cg12599765	chr4	112729702	-0.003	0.119	-	-
cg22616933	chr7	86547833	-0.004	0.119	KIAA1324L;KIAA1324L;KIAA1324L	Body;Body;Body
cg15769256	chr15	75746558	0.005	0.119	SIN3A	5'UTR
cg23168280	chr10	3613697	-0.013	0.119	-	-
cg06058395	chr18	13726784	0.014	0.119	C18orf19;RNMT;C18orf19	TSS200;5'UTR;TSS200
cg14607955	chr9	95632527	-0.005	0.119	ZNF484;ZNF484	Body;5'UTR
cg19091677	chr4	174255518	0.01	0.119	HMG82;HMG82;HMG82;HMG82	TSS1500;1stExon;TSS200;5'UTR
cg07709627	chr19	30156658	0.009	0.119	PLEKHF1	5'UTR
cg06299186	chr18	20513667	0.004	0.119	RBBP8;RBBP8;RBBP8	TSS200;TSS200;5'UTR
cg04090349	chr6	168426082	-0.004	0.119	KIF25;KIF25	5'UTR;5'UTR
cg01908020	chr15	45494784	-0.012	0.119	SHF	TSS1500
cg13689309	chr1	3243556	-0.007	0.119	PRDM16;PRDM16	Body;Body
cg24101560	chr3	46924401	0.004	0.119	PTH1R	5'UTR
cg14416293	chr4	2372960	-0.011	0.119	ZFYVE28	Body
cg01306614	chr5	72112331	0.007	0.119	TNPO1	TSS200
cg18924331	chr14	105173681	-0.005	0.119	INF2;INF2	Body;Body
cg24124043	chr17	80404898	-0.008	0.119	C17orf62;C17orf62;C17orf62	Body;Body;Body
cg19431623	chr10	20142989	-0.001	0.119	PLXDC2	Body
cg12806282	chr8	146052877	0.007	0.119	ZNF7	TSS200
cg24405567	chr15	70787565	-0.033	0.119	-	-
cg17547708	chr22	51021506	0.01	0.119	LOC100144603;CHKB-CPT1B;CHKB	Body;TSS200;TSS200
cg13505011	chr12	133264131	0.005	0.119	POLE;PXMP2	TSS200;TSS200
cg25731866	chr6	169569740	-0.007	0.119	-	-
cg14967868	chr4	177116771	0.007	0.119	SPATA4;SPATA4	1stExon;5'UTR
cg24908499	chr6	43423540	0.007	0.119	DLK2;DLK2	5'UTR;TSS1500
cg13634678	chr15	102192134	0.009	0.119	TM2D3;TM2D3	Body;Body
cg05502271	chr15	22892535	0.006	0.119	CYFIP1	TSS200
cg12850832	chr2	27309063	0.009	0.119	KHK;EMILIN1;KHK	TSS1500;3'UTR;TSS1500
cg21382111	chr17	1420362	0.013	0.119	LOC100306951;INPP5K;INPP5K;INPP5K	Body;TSS200;TSS200;TSS200
cg12959737	chr17	79519703	0.01	0.119	C17orf70;C17orf70	TSS1500;TSS1500
cg18720622	chr5	1229256	-0.001	0.119	SLC6A18	Body
cg09438466	chr7	5161246	-0.025	0.119	-	-
cg20715824	chr14	100752144	0.006	0.119	-	-
cg17547336	chr11	70004870	-0.009	0.119	ANO1;ANO1	Body;Body
cg02650728	chr4	2942362	-0.005	0.119	C4orf10;NOP14	Body;Body
cg16129797	chr8	55047904	0.004	0.119	MRPL15	1stExon
cg03959945	chr1	208326650	-0.017	0.119	PLXNA2	Body
cg00039489	chr16	24712522	-0.015	0.119	-	-
cg10382835	chr6	42185730	0.002	0.119	MRPS10	TSS200
cg08618620	chr12	52309094	-0.011	0.119	ACVRL1;ACVRL1	Body;Body
cg11943820	chr10	106094061	-0.01	0.119	ITPRIP	TSS1500
cg02005375	chr2	118572176	0.002	0.119	DDX18	TSS200
cg05655556	chr3	184016629	0.005	0.119	PSMD2	TSS1500
cg02347527	chr12	113916891	0.009	0.119	-	-
cg02574502	chr19	54486058	0.009	0.119	CACNG8	Body
cg03217744	chr5	87437228	0.009	0.119	-	-
cg07464477	chr16	73091565	0.004	0.119	ZFH3	5'UTR
cg17793354	chr2	237487801	-0.004	0.119	CXCR7	5'UTR
cg26617690	chr13	42611077	-0.008	0.119	-	-
cg10062141	chr1	91172710	0.03	0.119	-	-
cg21739719	chr15	76429282	-0.005	0.119	C15orf27	Body

cg12842552	chr3	151176600	-0.004	0.119	IGSF10	TSS200
cg17261234	chr14	101925619	0.005	0.119	-	-
cg03092603	chr22	38712210	0.007	0.119	CSNK1E;CSNK1E	5'UTR;5'UTR
cg17515110	chr12	95752517	-0.006	0.119	-	-
cg22221067	chr19	38900029	-0.019	0.119	RASGRP4;RASGRP4;RASGRP4;RASGRP4;f	3'UTR;3'UTR;3'UTR;3'UTR;3'UTR;3'UTR
cg05350266	chr1	32687823	0.006	0.119	EIF3I;C1orf91	TSS200;Body
cg09326880	chr3	43147587	0.014	0.119	C3orf39	TSS200
cg07131274	chr2	3270259	-0.005	0.119	TSSC1	Body
cg26770055	chr17	3844576	-0.005	0.119	ATP2A3;ATP2A3;ATP2A3;ATP2A3;ATP2A	Body;Body;Body;Body;Body;Body;Body
cg08554603	chr7	120702049	-0.006	0.119	C7orf58;C7orf58	Body;Body
cg24718964	chr2	127535357	-0.023	0.119	-	-
cg24499517	chr6	111408763	0.004	0.119	SLC16A10	TSS200
cg25430838	chr10	89823823	-0.007	0.119	-	-
cg11638847	chr19	57946689	0.007	0.119	ZNF749	TSS200
cg01315957	chr10	74114163	0.003	0.119	DNAJB12;DNAJB12	Body;Body
cg14615660	chr5	133747782	0.006	0.119	CDKN2AIPNL	TSS200
cg01852238	chr20	33596631	-0.005	0.119	TRPC4AP;TRPC4AP	Body;Body
cg08503002	chr3	183903768	0.02	0.119	ABCF3	TSS200
cg09335712	chr17	62255234	-0.014	0.119	TEX2	Body
cg16592434	chr11	64510112	0.007	0.119	RASGRP2;RASGRP2;RASGRP2	Body;Body;Body
cg12234426	chr4	2965388	0.006	0.119	GRK4;NOP14;GRK4;GRK4;GRK4;GRK4;GR	1stExon;TSS1500;1stExon;5'UTR;5'UTR;1stExon;5'UTR
cg16769381	chr11	46391053	-0.004	0.119	DGKZ;DGKZ;DGKZ;DGKZ	Body;Body;Body
cg25553665	chr4	95678939	0.006	0.119	BMPR1B	TSS200
cg04296321	chr6	158499135	-0.004	0.119	SYNJ2	Body
cg27513331	chr16	28503311	0.002	0.119	CLN3;CLN3;CLN3	5'UTR;1stExon;5'UTR
cg12612336	chr17	74350433	0.002	0.119	PRPSAP1	TSS1500
cg09923293	chr10	118928131	0.006	0.119	-	-
cg10318039	chr7	84671308	-0.007	0.119	SEMA3D	Body
cg18264173	chr2	9215179	-0.004	0.119	-	-
cg16182055	chr5	137879011	0.02	0.119	ETF1	TSS200
cg26521024	chr13	45151950	0.016	0.119	TSC22D1	TSS1500
cg04269351	chr14	68142533	-0.012	0.119	VTI1B	TSS1500
cg09375620	chr6	159590155	0.004	0.119	FNDC1	TSS1500
cg23431989	chr17	74137769	0.012	0.119	FOX11	TSS1500
cg00353571	chr19	49238653	-0.021	0.119	RASIP1	Body
cg12480416	chr8	128806471	0.013	0.119	PVT1	TSS1500
cg14091626	chr8	93115898	0.01	0.119	-	-
cg09462269	chr1	43751469	-0.009	0.119	C1orf210;C1orf210	TSS200;TSS1500
cg21430939	chr4	875499	-0.011	0.119	GAK	Body
cg13781758	chr3	122823409	-0.006	0.119	PDIA5;PDIA5	Body;Body
cg21925414	chr10	101300305	0.007	0.119	-	-
cg05772850	chr16	583676	-0.005	0.119	SOLH	5'UTR
cg11498188	chr6	139456038	0.005	0.119	HECA	TSS1500
cg21033494	chr10	51550114	-0.004	0.119	MSMB;MSMB	Body;Body
cg03031182	chr21	46948702	-0.005	0.119	SLC19A1	Body
cg00497956	chr7	155385241	-0.012	0.119	-	-
cg06454771	chr9	34378436	-0.01	0.119	-	-
cg25953504	chr17	79981121	0.015	0.119	STRA13;LRRC45	TSS1500;TSS200
cg21651436	chr11	65381610	0.006	0.119	MAP3K11;MAP3K11	1stExon;5'UTR
cg15387987	chr7	150773462	-0.012	0.119	SLC4A2	3'UTR
cg19505196	chr3	128080321	-0.007	0.119	MIR1280;EEFSEC	TSS1500;Body
cg14132834	chr19	41945861	0.006	0.119	ATP5SL;ATP5SL;ATP5SL;ATP5SL;ATP5SL;	TSS200;TSS1500;TSS1500;TSS200;TSS200;TSS200;TSS200
cg08911820	chr1	110026001	0.007	0.119	ATXN7L2	TSS1500
cg19381814	chr7	50800426	-0.01	0.119	GRB10;GRB10;GRB10	5'UTR;TSS1500;TSS1500
cg25487430	chr11	78380818	-0.005	0.119	ODZ4	Body
cg22781714	chr12	130961986	-0.008	0.119	RIMBP2	Body
cg20182358	chr3	158289061	0.003	0.119	MLF1;MLF1;MLF1;MLF1;MLF1;MLF1	5'UTR;1stExon;1stExon;5'UTR;1stExon;5'UTR
cg11979959	chr20	46414900	0.012	0.119	SULF2;SULF2;SULF2;SULF2;SULF2	1stExon;1stExon;5'UTR;TSS200;5'UTR
cg08082791	chr16	1815198	-0.006	0.119	MAPK8IP3;MAPK8IP3	Body;Body
cg03990984	chr1	44820872	0.004	0.119	ERI3;ERI3	5'UTR;1stExon
cg01314306	chr7	181309	-0.011	0.119	-	-
cg07536502	chr5	71852464	0.014	0.119	-	-
cg25382472	chr1	47779932	0.011	0.119	STIL;STIL	TSS200;TSS200
cg13629827	chr6	84569456	0.006	0.119	CYB5R4;CYB5R4	5'UTR;1stExon
cg26131932	chr7	157075303	-0.004	0.119	-	-
cg09615982	chr16	2273300	0.002	0.119	E4F1	TSS1500
cg06723337	chr16	87541476	0.003	0.119	-	-
cg15568628	chr1	59529453	0.005	0.119	-	-
cg03400491	chr11	47470887	-0.004	0.119	RAPSN;RAPSN	TSS200;TSS200
cg17642804	chr5	131132244	0.008	0.119	FNIP1;FNIP1	Body;Body
cg10736654	chr2	66804532	0.007	0.119	-	-
cg23051703	chr3	50140275	-0.003	0.119	RBM5	Body
cg07475232	chr3	5021225	0.004	0.119	BHLHE40;BHLHE40	1stExon;5'UTR
cg17098829	chr15	71056133	0.013	0.119	UACA	TSS1500
cg09959355	chr17	81045495	-0.008	0.119	METRNL	Body
cg25115524	chr5	137621045	-0.007	0.119	CDC25C;CDC25C	3'UTR;3'UTR
cg06654992	chr3	122337681	-0.009	0.119	PARP15;PARP15	Body;Body
cg15595044	chr3	128336857	0.005	0.119	-	-
cg16359424	chr10	130185305	-0.006	0.119	-	-
cg01993847	chr17	72244690	-0.006	0.119	TTYH2;TTYH2;TTYH2	1stExon;5'UTR;Body
cg05037105	chr8	142402421	0.004	0.119	-	-
cg07609788	chr20	39995652	0.02	0.119	EMILIN3	TSS200
cg02523424	chr22	39548724	0.003	0.119	CBX7	TSS200
cg21255626	chr19	29704222	0.006	0.119	UQCRRF51	TSS200
cg26684574	chr20	48532295	0.034	0.119	SPATA2	TSS1500
cg01664666	chr1	242687465	0.005	0.119	PLD5	5'UTR
cg17615115	chr17	60905352	-0.065	0.119	-	-
cg13948082	chr2	72374258	0.005	0.119	CYP26B1	Body
cg02265740	chr12	1800103	0.004	0.119	ADIPOR2	TSS200
cg00049411	chr17	43210103	0.008	0.119	PLCD3;ACBD4	TSS1500;5'UTR
cg00265304	chr18	8782520	-0.005	0.119	KIAA0802	Body
cg02372215	chr2	121197980	-0.02	0.119	-	-
cg26376245	chr17	72745951	0.015	0.119	SLC9A3R1	Body
cg06544061	chr7	2476423	-0.004	0.119	-	-
cg14989962	chr1	2085717	-0.003	0.119	PRKCZ;PRKCZ;PRKCZ	Body;Body;Body
cg02197277	chr16	21245235	-0.004	0.119	ANKS4B	Body
cg24861272	chr10	31607153	0.01	0.119	ZEB1;ZEB1;ZEB1;LOC220930;ZEB1	TSS1500;TSS1500;TSS1500;Body;TSS1500
cg19508683	chr19	35168383	0.013	0.119	ZNF302;ZNF302	TSS200;TSS200
cg26780013	chr4	170948564	0.006	0.119	MFAP3L	TSS1500
cg15225056	chr3	236078	-0.011	0.119	-	-
cg17402373	chr5	176852891	0.007	0.119	GRK6;GRK6;GRK6	TSS1500;TSS1500;TSS1500
cg26316082	chr1	8378213	0.004	0.119	-	-
cg17639493	chr11	124055283	-0.004	0.119	-	-
cg06055013	chr10	116853664	0.007	0.119	ATRNL1	1stExon

cg26477169	chr17	75196864	-0.033	0.119	SEC14L1;SEC14L1;SEC14L1;SEC14L1	Body;Body;Body;Body;Body
cg16339286	chr7	4012484	-0.021	0.119	SDK1	Body
cg05765990	chr13	114782675	-0.016	0.119	RASA3	Body
cg19397221	chr4	71705056	0.009	0.119	GRSF1;GRSF1;GRSF1	5'UTR;Body;1stExon
cg18401155	chr22	29867475	-0.009	0.119	-	-
cg25592513	chr5	140729614	0.005	0.12	PCDHGA2;PCDHGA1;PCDHGA3;PCDHGB	Body;Body;Body;TSS1500;TSS1500
cg06089697	chr10	102508529	0.013	0.12	PAX2;PAX2;PAX2;PAX2	Body;Body;Body;Body;Body
cg25848060	chr4	1713374	0.005	0.12	SLBP	Body
cg02014899	chr7	7098017	-0.002	0.12	-	-
cg17673691	chr5	160753392	-0.003	0.12	GABRB2;GABRB2	Body;Body
cg10778836	chr9	99617387	0.045	0.12	ZNF782	TSS1500
cg07105117	chr2	234652601	-0.017	0.12	UGT1A10;UGT1A6;UGT1A8;UGT1A4;UGT1A9	Body;Body;Body;Body;Body;Body;1stExon;Body;Body;Body;5'UTR
cg22047766	chr11	2560864	-0.008	0.12	KCNQ1;KCNQ1	Body;Body
cg20828837	chr20	5731032	0.002	0.12	C20orf196	TSS200
cg09319125	chr17	77537803	-0.006	0.12	-	-
cg19365673	chr1	99470618	0.006	0.12	LPPR5;LPPR5	TSS200;TSS200
cg24845675	chr1	3649971	-0.007	0.12	TP73;TP73;TP73;TP73	3'UTR;3'UTR;3'UTR;3'UTR
cg11656817	chr9	140117798	0.004	0.12	-	-
cg00674265	chr16	11350746	0.017	0.12	SOCS1	TSS1500
cg09779392	chr19	11094753	-0.009	0.12	SMARCA4;SMARCA4;SMARCA4;SMARCA4	TSS200;5'UTR;TSS200;5'UTR;TSS200;5'UTR;TSS200
cg06493963	chr7	115608503	-0.002	0.121	TFEC;TFEC	Body;Body
cg16608338	chr6	88053646	-0.014	0.121	C6orf163	TSS1500
cg06266993	chr17	46671131	0.005	0.121	LOC404266;LOC404266;LOC404266;LOC404266	Body;Body;Body;Body;TSS200
cg00036137	chr19	56688439	-0.011	0.121	GALP;GALP	5'UTR;5'UTR
cg00468320	chr8	109800379	-0.002	0.121	TMEM74	TSS1500
cg05209814	chr4	76650629	0.005	0.121	USO1	Body
cg09557543	chr6	27598947	0.003	0.121	-	-
cg00325599	chr3	36986513	0.005	0.121	TRANK1;TRANK1	1stExon;5'UTR
cg21753834	chr9	130477671	0.007	0.121	PTRH1;TTC16	Body;TSS1500
cg07638282	chr7	23637253	0.006	0.121	CCDC126	5'UTR
cg26332552	chr3	197402549	-0.006	0.121	MIR922;KIAA0226;KIAA0226	TSS1500;Body;Body
cg22266693	chr11	44592937	-0.023	0.121	CD82;CD82	5'UTR;5'UTR
cg16259464	chr2	240274542	-0.008	0.121	HDAC4	5'UTR
cg01115274	chr11	74022764	0.009	0.121	P4HA3	TSS200
cg22889620	chr14	75639473	-0.003	0.121	TMED10	Body
cg03391436	chr1	162335175	-0.005	0.121	NOS1AP;NOS1AP;NOS1AP	Body;1stExon;Body
cg13650484	chr2	95945517	-0.016	0.121	PROM2;PROM2;PROM2	Body;Body;Body
cg14240072	chr19	2835667	-0.006	0.121	ZNF554	3'UTR
cg25841159	chr17	74137454	0.01	0.121	FOXJ1	TSS200
cg03415001	chr4	181480012	-0.006	0.121	-	-
cg18027903	chr7	15601624	-0.006	0.121	TMEM195;TMEM195	1stExon;5'UTR
cg18961101	chr12	4923116	-0.005	0.121	KCNA6;KCNA6	3'UTR;1stExon
cg24689245	chr11	75479679	0.005	0.121	DGAT2	TSS200
cg04381006	chr10	74927967	0.009	0.121	FAM149B1;ECD;ECD;ECD;ECD;FAM149B	1stExon;TSS200;TSS200;TSS200;TSS200;5'UTR
cg03071195	chr9	5109889	-0.004	0.121	JAK2	Body
cg00162104	chr4	2926894	-0.007	0.121	ADD1;ADD1;ADD1;ADD1	Body;Body;Body;Body
cg03157150	chr16	4738680	-0.009	0.121	MGRN1;MGRN1;MGRN1;MGRN1	3'UTR;Body;3'UTR;Body
cg23708261	chr15	80264706	-0.01	0.121	BCL2A1;BCL2A1	TSS1500;TSS1500
cg01686553	chr12	126672876	-0.012	0.121	-	-
cg01553209	chr10	22625874	0.005	0.121	-	-
cg08313040	chr6	33092243	-0.011	0.121	HLA-DPB2	Body
cg13534368	chr9	138888358	-0.015	0.121	-	-
cg24593272	chr10	102977637	0.01	0.121	-	-
cg08130490	chr6	32189558	-0.005	0.121	NOTCH4	Body
cg02647388	chr6	7541868	0.005	0.121	DSP;DSP	TSS200;TSS200
cg25652751	chr15	77748245	-0.003	0.121	HMG20A	5'UTR
cg05982389	chr3	105839222	-0.011	0.121	-	-
cg00063828	chr16	85749496	0.021	0.121	C16orf74	Body
cg14667033	chr9	74384303	0.005	0.121	TMEM2;TMEM2	TSS1500;TSS1500
cg21901223	chr5	178647332	-0.014	0.121	ADAMTS2;ADAMTS2	Body;Body
cg14524775	chr1	155920832	-0.005	0.121	ARHGFE2;ARHGFE2;ARHGFE2	Body;Body;Body
cg27229529	chr1	3162676	-0.007	0.121	PRDM16;PRDM16	Body;Body
cg03165343	chr12	96883268	0.004	0.121	-	-
cg02840109	chr18	25758159	0.005	0.121	CDH2	TSS1500
cg08642938	chr17	21117993	0.003	0.121	TMEM11;TMEM11	TSS200;TSS200
cg13668419	chr10	3197757	-0.01	0.121	PITRM1	Body
cg22263512	chr15	41709154	0.007	0.121	RTF1	TSS200
cg16714230	chr12	30848959	0.007	0.121	IPO8	TSS1500
cg03295933	chr19	1479358	0.013	0.121	C19orf25	TSS200
cg16696648	chr1	17382130	-0.006	0.121	SDHB	TSS1500
cg11216682	chr2	131113867	0.018	0.121	PTPN18;PTPN18	Body;Body
cg26750487	chr1	207818449	0.004	0.121	CR1L	TSS200
cg18051552	chr6	71548732	-0.004	0.121	SMAP1;SMAP1	Body;Body
cg08746033	chr4	175897327	-0.003	0.121	ADAM29;ADAM29;ADAM29;ADAM29	Body;Body;Body;Body
cg25912580	chr2	38755298	0.007	0.121	-	-
cg25859141	chr7	155168238	0.004	0.121	-	-
cg23556886	chr11	6635401	-0.007	0.121	TPP1	3'UTR
cg20087303	chr14	70233840	0.004	0.121	SFRS5;LOC100289511;SFRS5;SFRS5;SFRS5	1stExon;Body;1stExon;5'UTR;5'UTR
cg07419830	chr16	3332899	0.007	0.121	ZNF263	TSS1500
cg00919567	chr4	3520016	-0.018	0.121	LRPAP1	Body
cg21978251	chr18	21717686	-0.007	0.121	CABYR;CABYR;CABYR;CABYR;CABYR	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg17435266	chr13	101241125	0.008	0.121	-	-
cg13510707	chr16	21169811	0.006	0.121	TMEM159;DNAH3	TSS200;Body
cg05111081	chr15	92425496	-0.004	0.121	SLCO3A1;SLCO3A1	Body;Body
cg22750001	chr11	58981095	-0.022	0.121	MPEG1	TSS1500
cg25729466	chr1	195972365	-0.004	0.121	-	-
cg21507528	chr11	18747315	-0.016	0.121	IGSF22	5'UTR
cg17197870	chr6	30027916	-0.003	0.121	ZNRD1;ZNRD1;NCRNA00171	TSS1500;TSS1500;Body
cg06230247	chr22	37420730	-0.004	0.121	MPST;MPST;MPST;MPST	Body;Body;Body;Body
cg01293379	chr18	8610135	0.005	0.121	RAB12	Body
cg01347719	chr2	74754237	-0.018	0.121	AUP1;DQX1	Body;TSS1500
cg02865033	chr16	31235535	-0.01	0.121	TRIM72	Body
cg05740045	chr8	65499926	0.024	0.121	-	-
cg07032987	chr7	157513581	-0.017	0.121	PTPRN2;PTPRN2;PTPRN2	Body;Body;Body
cg23373788	chr10	75936218	0.004	0.121	ADK;ADK	Body;TSS1500
cg19795996	chr2	145230271	-0.009	0.121	ZEB2;ZEB2	Body;Body
cg05443922	chr7	25892356	0.015	0.121	-	-
cg25528143	chr7	54609671	0.01	0.121	VSTM2A	TSS1500
cg02441296	chr10	111767867	0.006	0.121	ADD3;ADD3;ADD3;ADD3	5'UTR;5'UTR;1stExon;5'UTR;1stExon
cg02622803	chr5	170876607	-0.004	0.121	FGF18	Body
cg02683985	chr7	559070	0.009	0.121	PDGFA;PDGFA;PDGFA;PDGFA	5'UTR;1stExon;1stExon;5'UTR
cg10327399	chr7	5390793	-0.005	0.121	TNRC18	Body
cg05547993	chr16	70835035	0.004	0.121	VAC14;VAC14	1stExon;5'UTR
cg08012303	chr16	11036238	0.004	0.121	DEX1;DEX1	5'UTR;1stExon

cg01626477	chr2	30454344	0.006	0.121	LBH	TSS200
cg12563240	chr12	31882198	0.008	0.121	AMN1;AMN1	TSS200;TSS200
cg07840332	chr17	-	-0.041	0.121	-	-
cg23134169	chr19	16682794	0.009	0.121	SLC35E1	1stExon
cg23971182	chr8	107058373	-0.009	0.121	-	-
cg16924753	chr11	130631528	-0.009	0.121	-	-
cg11697169	chr8	27457461	-0.008	0.121	CLU;CLU;CLU	Body;Body;Body
cg06348477	chr3	119217354	0.024	0.121	C3orf1	TSS200
cg11595082	chr1	77748325	0.01	0.121	AK5;AK5;AK5	Body;5'UTR;1stExon
cg21108361	chr7	128695087	0.003	0.121	LOC286016;TNPO3;TNPO3	TSS200;1stExon;5'UTR
cg02958776	chr19	12662496	0.007	0.121	ZNF564	TSS200
cg03155767	chr4	155491812	-0.006	0.121	FGB	3'UTR
cg16188038	chr5	16465766	0.005	0.121	ZNF622	1stExon
cg08682475	chr15	34659969	0.005	0.121	LPCAT4	TSS1500
cg07435294	chr11	65554356	0.042	0.121	OVOL1	TSS200
cg03160342	chr19	12807165	0.017	0.121	FBXW9	1stExon
cg24916224	chr17	79652748	-0.005	0.121	HGS	Body
cg11118615	chr1	18703404	-0.019	0.121	IGSF21	Body
cg09476019	chr2	240044117	-0.005	0.121	HDAC4	Body
cg10331462	chr1	23687823	-0.006	0.121	ZNF436;ZNF436	3'UTR;3'UTR
cg08437984	chr8	146078724	0.002	0.121	COMMD5;COMMD5;COMMD5	TSS1500;5'UTR;TSS1500
cg24520800	chr6	7389821	0.004	0.121	CAGE1;CAGE1;CAGE1;CAGE1;CAC	1stExon;5'UTR;5'UTR;1stExon;1stExon;5'UTR;TSS1500
cg14063357	chr9	79793314	0.004	0.121	VPS13A;VPS13A;VPS13A;VPS13A;LOC10	Body;Body;Body;Body;TSS1500
cg08790550	chr2	130955686	-0.01	0.121	TUBA3E	Body
cg11396509	chr19	39389915	0.008	0.121	SIRT2;SIRT2;NFKB1B;NFKB1B	5'UTR;Body;TSS1500;TSS1500
cg10107725	chr2	160761556	0.002	0.121	LY75	TSS1500
cg13966383	chr17	73893209	0.008	0.121	TRIM65	TSS200
cg23325670	chr19	17337031	0.009	0.121	OCE11	TSS200
cg14120010	chr18	63418583	0.001	0.121	CDH7;CDH7	5'UTR;5'UTR
cg15472784	chr1	3663531	0.003	0.121	KIAA0495;KIAA0495	1stExon;5'UTR
cg06486088	chr2	237010222	-0.02	0.121	AGAP1;AGAP1	Body;Body
cg19717640	chr10	85985779	-0.006	0.121	LRIT2	TSS1500
cg16774105	chr16	85625507	-0.004	0.121	-	-
cg02798749	chr11	126081663	0.007	0.121	RPUSD4;RPUSD4;FAM118B;FAM118B	TSS200;TSS200;1stExon;5'UTR
cg19793376	chr9	135462522	0.007	0.121	BARHL1	Body
cg12287358	chr6	29796032	0.004	0.121	HLA-G	Body
cg22526216	chr1	2940333	-0.005	0.121	-	-
cg15629868	chr1	8319945	-0.014	0.121	-	-
cg13905475	chr9	117161882	-0.005	0.121	-	-
cg04258771	chr9	77567031	0.007	0.121	C9orf40	Body
cg20342628	chr6	90122369	0.002	0.121	RRAGD	TSS1500
cg04370476	chr3	49761188	0.012	0.121	GMPPB;GMPPB;GMPPB;GMPPB	1stExon;5'UTR;1stExon;5'UTR
cg19895579	chr8	89437704	-0.008	0.121	-	-
cg26319343	chr19	5623198	0.006	0.121	SAFB2;SAFB;SAFB	TSS1500;5'UTR;1stExon
cg20397692	chr6	32802598	-0.002	0.121	TAP2;TAP2	Body;Body
cg23920731	chr1	78353367	-0.003	0.121	NEXN	TSS1500
cg11662712	chr6	7269024	-0.006	0.121	-	-
cg14174379	chr3	129982972	-0.018	0.121	COL6A4P2	Body
cg14457429	chr9	93953180	-0.013	0.121	-	-
cg04402350	chr4	146857565	0.006	0.121	ZNF827	Body
cg05208050	chr2	74690526	-0.009	0.121	MOGS;MOGS	Body;Body
cg17669700	chr19	1384167	0.007	0.121	NDUFS7	Body
cg11466504	chr5	179565362	-0.005	0.121	RASGEF1C	5'UTR
cg10413513	chr16	7106265	-0.009	0.121	A2BP1;A2BP1;A2BP1	Body;Body;Body
cg21123686	chr5	64399755	-0.01	0.121	-	-
cg00049253	chr1	231473541	0.027	0.121	EXOC8;C1orf124;EXOC8;C1orf124	5'UTR;TSS200;1stExon;TSS200
cg24300475	chr12	3601514	0.012	0.121	PRMT8	Body
cg13799462	chr6	33234467	-0.013	0.121	VPS52	Body
cg10987004	chr1	201777623	-0.013	0.121	NAV1;MIR1231;NAV1	Body;TSS200;Body
cg27372898	chr21	27543410	0.004	0.121	APP;APP;APP;APP;APP	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg10586997	chr6	24721394	0.005	0.121	-	-
cg06246552	chr8	29952761	0.004	0.121	LEPROTL1;LEPROTL1	TSS200;TSS200
cg14957331	chr2	27370956	-0.015	0.121	TCF23	TSS1500
cg06119630	chr10	130269030	-0.014	0.121	-	-
cg24339043	chr12	53473636	0.018	0.121	SPRYD3	TSS1500
cg13522776	chr9	71785587	-0.004	0.121	TJP2	5'UTR
cg15063116	chr18	12254365	0.01	0.122	CIDEA;CIDEA;CIDEA	TSS1500;1stExon;5'UTR
cg07105657	chr1	62902681	0.006	0.122	USP1;USP1;USP1;USP1	5'UTR;5'UTR;1stExon;5'UTR
cg25038702	chr2	95742732	0.008	0.122	-	-
cg01325613	chr13	114193689	-0.003	0.122	TMCO3	Body
cg10172415	chr3	71803558	0.005	0.122	GPR27;EIF4E3;EIF4E3	1stExon;5'UTR;TSS200
cg10437842	chr15	42213760	-0.003	0.122	EHD4	Body
cg17025892	chr7	95749573	-0.008	0.122	SLC25A13;SLC25A13;SLC25A13	3'UTR;3'UTR;Body
cg08613350	chr13	36295807	-0.007	0.122	MIR548F5	Body
cg25261328	chr10	22633916	0.005	0.122	SPAG6;SPAG6	TSS1500;TSS1500
cg08690730	chr16	89671764	-0.004	0.122	-	-
cg16208433	chr16	50582056	0.012	0.122	NKD1	TSS200
cg23413666	chr8	22266714	-0.01	0.122	SLC39A14;SLC39A14;SLC39A14;SLC39A14	Body;Body;Body;Body
cg00319545	chr1	177133737	0.012	0.122	ASTN1;ASTN1	1stExon;1stExon
cg16427420	chr17	74526161	-0.005	0.123	CYGB	Body
cg27171201	chr19	3365137	-0.014	0.123	NFIC;NFIC	TSS1500;Body
cg05625024	chr16	67876020	0.007	0.123	CENPT;THAP11	5'UTR;TSS200
cg08203850	chr2	74881465	0.016	0.123	SEMA4F;SEMA4F	5'UTR;1stExon
cg21074190	chr12	56365823	-0.004	0.123	CDK2;CDK2	3'UTR;3'UTR
cg13140106	chr22	26825553	0.009	0.123	ASPHD2	5'UTR
cg07205857	chr16	455057	-0.005	0.123	DEC2	Body
cg21550372	chr14	100908908	-0.007	0.123	WDR25;WDR25	Body;Body
cg07777224	chr19	58919807	0.008	0.123	ZNF584	TSS1500
cg15044674	chr7	5427244	-0.01	0.123	TNRC18	Body
cg00653085	chr1	53385434	-0.004	0.123	ECHDC2	Body
cg18759209	chr20	55842071	0.014	0.123	BMP7	TSS1500
cg10055621	chr7	64328890	-0.011	0.123	-	-
cg26490649	chr20	306046	0.003	0.123	SOX12	TSS200
cg04057706	chr11	63591857	-0.018	0.124	C11orf84	Body
cg16155655	chr2	158485694	0.007	0.124	ACVR1C;ACVR1C;ACVR1C	TSS1500;TSS1500;TSS1500
cg23622322	chr10	133773519	-0.005	0.124	-	-
cg14711016	chr16	790766	0.008	0.124	NARFL	Body
cg09534243	chr6	107349277	0.005	0.124	C6orf203;C6orf203;C6orf203	TSS200;TSS200;TSS200
cg09806485	chr1	59798326	-0.004	0.124	FGGY;FGGY	Body;Body
cg09155219	chr14	48144280	0.006	0.124	MDGA2	TSS1500
cg07045054	chr3	10005827	-0.005	0.124	TMEM111	Body
cg03625109	chr9	122132103	0.003	0.124	DBC1	TSS1500
cg27191651	chr6	31122406	-0.017	0.124	CCHCR1;CCHCR1;CCHCR1	Body;Body;Body
cg06914048	chr18	20839953	0.008	0.124	CABLES1;CABLES1;CABLES1	3'UTR;Body;3'UTR

cg00196372	chr9	96708288	0.008	0.124	-	-
cg14266251	chr9	135462291	-0.012	0.124	BARHL1	Body
cg20912211	chr7	130081027	0.005	0.124	TSGA14	TSS200
cg22371227	chr1	177139876	0.007	0.124	FAM5B	TSS1500
cg02169446	chr15	72410194	0.008	0.124	MYO9A;MYO9A;SENP8;SENP8	5'UTR;1stExon;5'UTR;TSS1500
cg04373487	chr2	106743960	-0.003	0.124	UXS1	Body
cg06649390	chr1	1276019	-0.013	0.124	DVL1	Body
cg21984150	chr5	121648022	0.004	0.124	SNCAIP	5'UTR
cg03559064	chr19	38861467	-0.002	0.124	CATSPERG	3'UTR
cg15195538	chr2	220363084	0.007	0.124	GMPPA;GMPPA	TSS1500;TSS1500
cg25596754	chr6	32026610	-0.01	0.125	TNXB	Body
cg14864782	chr12	105631413	-0.008	0.125	APPL2	TSS1500
cg07374637	chr21	31875448	-0.004	0.125	KRTAP19-5	TSS1500
cg11075176	chr7	155476729	-0.003	0.125	RBM33	Body
cg09355175	chr2	234358080	-0.005	0.125	DGKD;DGKD	Body;Body
cg14139669	chr6	33256574	0.004	0.125	PFDN6;WDR46;WDR46	TSS1500;Body;Body
cg25719798	chr6	13487668	0.006	0.125	GFOD1;C6orf114;GFOD1	5'UTR;TSS1500;1stExon
cg12033709	chr11	128812804	-0.012	0.125	TP53AIP1;TP53AIP1	1stExon;5'UTR
cg16169084	chr10	94832033	0.016	0.125	CYP26A1	TSS1500
cg20437049	chr6	75918463	0.008	0.125	-	-
cg08509236	chr12	49208409	0.027	0.125	-	-
cg25251635	chr7	100303170	0.006	0.125	POP7	TSS1500
cg13869019	chr4	77725931	-0.004	0.125	-	-
cg04463607	chr11	114549162	-0.021	0.125	FAM55B	TSS200
cg26675097	chr20	21083737	0.006	0.125	-	-
cg18714560	chr11	628302	-0.006	0.125	SCT	TSS1500
cg15739581	chr2	166626783	-0.069	0.125	GALNT3	Body
cg02101485	chr11	17540282	-0.004	0.125	USH1C;USH1C	Body;Body
cg06264879	chr6	31827971	-0.004	0.125	NEU1	Body
cg06547404	chr2	205410401	0.013	0.125	PAR3B;PAR3B;PAR3B	TSS200;TSS200;TSS200
cg08635249	chr7	127983877	0.005	0.125	RBM28;RBM28;RBM28;RBM28	1stExon;5'UTR;5'UTR;1stExon
cg17036654	chr5	127419310	0.004	0.125	SLC12A2;FLJ33630	TSS200;TSS1500
cg17161743	chr1	33896920	0.004	0.125	-	-
cg23583739	chr22	38863908	0.009	0.125	KDELR3;KDELR3	TSS200;TSS200
cg18084114	chr1	31197218	-0.004	0.125	MATN1	TSS1500
cg13878136	chr1	61948305	-0.003	0.125	-	-
cg26770385	chr8	125486821	0.009	0.125	RNF139	TSS200
cg03694261	chr11	122753977	0.007	0.125	C11orf63;C11orf63	5'UTR;5'UTR
cg27461542	chr10	48317878	-0.005	0.125	-	-
cg10854528	chr2	54855934	-0.003	0.125	SPTBN1;SPTBN1	Body;Body
cg16327227	chr2	25896721	0.005	0.125	DTNB;DTNB;DTNB;DTNB;DTNB	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg24799448	chr11	1404215	0.006	0.125	-	-
cg23958600	chr14	96336241	-0.033	0.125	-	-
cg04902669	chr17	6329050	-0.006	0.125	AIPL1;AIPL1;AIPL1	Body;Body;Body
cg18246991	chr4	187540974	-0.002	0.125	FAT1	Body
cg13285387	chr2	168863366	-0.002	0.125	STK39	Body
cg21175760	chr9	136669188	-0.005	0.125	VAV2;VAV2	Body;Body
cg18209001	chr10	112065016	0.005	0.125	SMNDC1	TSS1500
cg06530118	chr16	28503379	0.006	0.125	CLN3;CLN3;CLN3;CLN3	5'UTR;1stExon;1stExon;5'UTR
cg01834625	chr1	151254649	0.008	0.125	ZNF687	TSS200
cg09377980	chr3	66798910	-0.003	0.125	-	-
cg25151532	chr1	43920103	-0.082	0.125	HYI	TSS200
cg07766672	chr8	143808440	0.007	0.125	C8orf55	TSS200
cg09226421	chr12	19142885	-0.002	0.125	-	-
cg08120023	chr1	116947203	-0.015	0.125	C1orf203;ATP1A1;ATP1A1;ATP1A1;C1orf203	Body;3'UTR;3'UTR;3'UTR;Body
cg05007098	chr16	77322779	-0.016	0.125	ADAMTS18	Body
cg09352310	chr6	32862445	0.013	0.125	-	-
cg01000615	chr1	145562817	0.032	0.125	ANKRD35	Body
cg08346074	chr5	75013329	0.005	0.125	C5orf37	TSS200
cg27578319	chr1	200972829	-0.006	0.125	KIF21B	Body
cg00871390	chr7	150716072	0.01	0.125	ATG9B	Body
cg07903141	chr20	8000168	0.005	0.125	TMX4	1stExon
cg26411702	chr8	21881998	0.005	0.125	NPM2	TSS1500
cg02317397	chr17	3716279	-0.007	0.125	C17orf85;C17orf85	3'UTR;3'UTR
cg16264004	chr13	113698431	-0.004	0.125	MCF2L;MCF2L	Body;Body
cg23543123	chr4	48485569	0.005	0.125	SLC10A4;SLC10A4	5'UTR;1stExon
cg07821197	chr16	75681616	0.005	0.125	KARS;TERF2IP;KARS	TSS200;TSS200;TSS200
cg26627511	chr2	46525649	0.007	0.125	EPAS1	Body
cg18182844	chr3	52828292	-0.005	0.125	ITH3	TSS1500
cg20729747	chr12	14928083	0.002	0.125	H2AFJ;H2AFJ;H2AFJ	1stExon;Body;3'UTR
cg13052453	chr14	105885138	-0.006	0.125	MTA1	TSS1500
cg04847110	chr15	40620444	-0.018	0.125	-	-
cg27392024	chr18	47792794	0.004	0.125	CCDC11;CCDC11	1stExon;5'UTR
cg02827328	chr9	100881403	0.006	0.125	TRIM14;TRIM14;TRIM14;TRIM14	1stExon;1stExon;1stExon;1stExon
cg02685069	chr11	94232403	-0.003	0.126	ANKRD49	3'UTR
cg13087314	chr20	62321379	-0.007	0.126	RTEL1;RTEL1	Body;Body
cg07159802	chr1	247921568	-0.003	0.126	OR1C1	1stExon
cg17913347	chr2	98357103	-0.064	0.126	-	-
cg04645342	chr1	72748124	0.005	0.126	NEGR1	1stExon
cg02355885	chr2	30142990	0.002	0.126	ALK	1stExon
cg13208492	chr2	122513376	0.003	0.126	TSN	1stExon
cg07600884	chr1	90286190	0.021	0.126	LRR8D;LRR8D	TSS1500;TSS1500
cg12223090	chr17	80128788	-0.067	0.126	CCDC57	Body
cg16954165	chr10	90681265	-0.003	0.126	STAMBPL1	Body
cg00550503	chr15	74422275	0.006	0.126	ISLR2;LOC283731;ISLR2;ISLR2;ISLR2;ISLR2	5'UTR;TSS1500;TSS1500;1stExon;TSS1500;1stExon;5'UTR
cg00933242	chr19	2061633	0.004	0.126	-	-
cg19290938	chr11	1988758	-0.006	0.126	-	-
cg23282442	chr8	11225832	-0.006	0.126	C8orf12;TDH	TSS200;Body
cg20025970	chr12	22089560	-0.005	0.126	ABCC9;ABCC9;ABCC9	1stExon;1stExon;1stExon
cg05850884	chr6	30174845	-0.007	0.126	TRIM26	5'UTR
cg23805360	chr9	976947	0.002	0.126	DMRT3	TSS200
cg21062891	chr6	31122520	-0.013	0.126	CCHCR1;CCHCR1;CCHCR1	Body;Body;Body
cg08424167	chr1	48462862	0.003	0.126	-	-
cg11767984	chr19	12203349	0.007	0.126	ZNF788	Body
cg21291896	chr3	14444133	0.006	0.126	SLC6A6;SLC6A6;SLC6A6;SLC6A6;SLC6A6;SLC6A6	5'UTR;1stExon;1stExon;5'UTR;1stExon;5'UTR
cg22702121	chr6	33177888	-0.006	0.126	RING1	Body
cg19085307	chr8	114446282	0.033	0.126	CSMD3;CSMD3	Body;Body
cg19429599	chr5	50266099	0.009	0.126	-	-
cg05989059	chr10	33594454	-0.005	0.126	NRP1;NRP1;NRP1	Body;Body;Body
cg16473117	chr2	69748004	-0.004	0.126	AAK1;SNORA36C	Body;TSS1500
cg01560642	chr1	2574068	0.012	0.126	-	-
cg08528231	chr16	12997261	0.006	0.126	SHISA9;SHISA9	Body;Body
cg06123584	chr6	10320036	-0.005	0.126	-	-
cg08356614	chr12	27934708	-0.058	0.126	KLHDC5	Body

cg04608326	chr1	24018087	0.005	0.126	RPL11	TSS1500
cg10033475	chr14	43940960	-0.004	0.126	-	-
cg17360194	chr12	46766537	0.003	0.126	SLC38A2;SLC38A2	5'UTR;1stExon
cg15187550	chr10	8096370	0.003	0.126	FLJ45983;GATA3;GATA3;FLJ45983	TSS1500;TSS1500;TSS1500;TSS1500
cg09996597	chr16	1844927	-0.006	0.126	IGFALS;IGFALS;IGFALS	TSS200;TSS1500;TSS1500
cg22931466	chr8	143427631	-0.012	0.126	TSNARE1	Body
cg25110234	chr21	47744248	0.009	0.126	C21orf58;PCNT	TSS1500;Body
cg24378048	chr11	9685442	0.003	0.126	SWAP70	TSS200
cg05176131	chr17	48624481	0.01	0.126	SPATA20	TSS200
cg05161980	chr1	39185780	-0.005	0.126	-	-
cg24502047	chr15	38555136	-0.004	0.126	SPRED1	Body
cg00852414	chr14	101543050	-0.01	0.126	-	-
cg24410214	chr2	202097173	0.005	0.126	CASP8;CASP8;CASP8;CASP8	TSS1500;TSS1500;TSS1500;TSS1500
cg07545636	chr2	10262820	0.009	0.127	RRM2;RRM2	1stExon;TSS200
cg21819024	chr1	52344978	0.012	0.127	NRD1;NRD1	TSS1500;TSS1500
cg24277788	chr4	185724837	-0.006	0.127	ACSL1	5'UTR
cg17575960	chr6	84743947	0.008	0.127	MRAP2	5'UTR
cg15248149	chr8	8609186	0.008	0.127	E2F5;E2F5	Body;Body
cg24976258	chr5	73883404	-0.041	0.127	-	-
cg20062401	chr17	12569089	0.004	0.127	MYOCD;MYOCD	TSS200;TSS200
cg25202407	chr1	205417560	-0.015	0.127	MIR135B	TSS200
cg24400517	chr7	139876520	0.035	0.127	LOC100134229;JHDM1D	TSS1500;Body
cg13742526	chr19	2252432	0.008	0.127	JSRP1	Body
cg12730381	chr7	75988212	0.004	0.127	YWHAG;YWHAG	1stExon;5'UTR
cg18830118	chr20	35441192	-0.007	0.127	C20orf117;C20orf117	Body;Body
cg00989220	chr12	6439069	-0.011	0.127	TNFRSF1A	Body
cg23587805	chr6	100038993	0.003	0.127	-	-
cg08031955	chr1	109655406	0.003	0.127	C1orf194;KIAA1324	Body;TSS1500
cg15452479	chr14	77923701	0.007	0.127	AHSA1;C14orf133	TSS1500;5'UTR
cg11299371	chr6	160224288	-0.003	0.127	PNLDC1	Body
cg06836872	chr16	1447994	-0.002	0.127	-	-
cg05194498	chr11	28985617	-0.005	0.127	-	-
cg12841579	chr17	36728764	0.008	0.127	SRCIN1	Body
cg19061982	chr2	113299409	0.006	0.127	POLR1B;POLR1B	TSS200;TSS200
cg05328461	chr19	10231566	-0.004	0.127	EIF3G	TSS1500
cg09175993	chr15	81214816	-0.009	0.127	KIAA1199	Body
cg26182922	chr7	157468132	-0.002	0.127	PTPRN2;PTPRN2;PTPRN2	Body;Body;Body
cg14622819	chr4	76944817	-0.06	0.127	CXCL10;ART3	TSS200;5'UTR
cg00732907	chr2	60777279	0.012	0.127	BCL11A;BCL11A;BCL11A	Body;Body;Body
cg26210946	chr10	75012649	0.008	0.127	MRPS16	TSS200
cg10659138	chr5	97949352	-0.003	0.127	-	-
cg10668569	chr10	3058023	-0.002	0.127	-	-
cg07057617	chr6	170405951	-0.024	0.127	-	-
cg01797257	chr1	18969652	0.013	0.127	PAX7;PAX7;PAX7	Body;Body;Body
cg00492269	chr17	80798706	-0.009	0.127	TBCD;ZNF750	Body;TSS1500
cg12378001	chr7	24818413	-0.012	0.127	-	-
cg01839657	chr12	54332463	0.003	0.127	HOXC13	TSS200
cg14421202	chr5	6378292	0.003	0.127	MED10	Body
cg02773671	chr13	24566085	-0.004	0.127	-	-
cg05815404	chr17	78825501	-0.003	0.127	RPTOR;RPTOR	Body;Body
cg12932492	chr15	51559826	0.004	0.127	CYP19A1;CYP19A1	5'UTR;5'UTR
cg13466253	chr20	3731334	-0.013	0.127	HSPA12B	Body
cg05093169	chr11	71955401	0.022	0.127	PHOX2A	TSS200
cg19772317	chr14	45605172	0.017	0.127	FKBP3;FANCM;FANCM	TSS1500;1stExon;5'UTR
cg03874026	chr17	43246982	-0.006	0.127	HEXIM2	Body
cg12329318	chr2	189986317	-0.004	0.127	COL5A2	Body
cg03040282	chr13	33002269	0.009	0.127	N4BP2L1;N4BP2L1;N4BP2L1;N4BP2L1	1stExon;5'UTR;1stExon;5'UTR
cg18104645	chr17	75447504	0.005	0.127	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9	Body;5'UTR;Body;Body;Body;Body
cg14656687	chr10	119135122	0.004	0.127	PDZD8	TSS200
cg21383151	chr10	96162809	0.005	0.127	TBC1D12	1stExon
cg02690519	chr19	9964420	-0.004	0.127	OLFM2	3'UTR
cg25769883	chr20	44420425	0.008	0.127	WFDC3;DNTTIP1	5'UTR;TSS200
cg02900980	chr3	71633249	0.004	0.127	FOXP1;FOXP1	TSS200;TSS200
cg13213604	chr11	6625072	0.007	0.127	ILK;ILK;RRP8;ILK	5'UTR;5'UTR;TSS1500;TSS200
cg02081976	chr1	179262564	0.005	0.127	SOAT1	TSS1500
cg01558281	chr1	116912695	-0.003	0.127	-	-
cg06057404	chr16	31454596	0.014	0.127	ZNF843	TSS1500
cg02113284	chr17	79098060	-0.013	0.127	AATK	Body
cg27431671	chr11	72810801	-0.029	0.127	FCHSD2	Body
cg16747714	chr12	53342757	0.008	0.127	KRT18;KRT18	TSS200;5'UTR
cg03031009	chr10	10835019	-0.003	0.127	SFTA1P	Body
cg08589270	chr7	150949204	0.006	0.127	SMARCD3;SMARCD3	Body;Body
cg14746032	chr6	47221036	-0.019	0.127	TNFRSF21	Body
cg16579908	chr14	77403711	-0.006	0.127	-	-
cg12335056	chr5	179108586	-0.005	0.127	CBY3	TSS1500
cg17942785	chr7	1640134	-0.011	0.127	-	-
cg02743985	chr2	175260428	0.002	0.127	CIR1;CIR1;SCRN3	1stExon;5'UTR;TSS200
cg22465479	chr19	50306072	-0.004	0.127	AP2A1;AP2A1	Body;Body
cg01618829	chr4	176922896	0.005	0.127	GPM6A;GPM6A	5'UTR;Body
cg13721764	chr6	32163533	0.012	0.127	GPSM3;NOTCH4	TSS1500;Body
cg04066242	chr16	14727239	0.007	0.127	BFAR	5'UTR
cg24158482	chr17	55715082	-0.014	0.127	MSI2	Body
cg07242901	chr12	7047503	0.018	0.127	ATN1;ATN1	Body;Body
cg04959078	chr19	6502503	0.016	0.127	TUBB4	TSS200
cg06089988	chr1	153748485	0.007	0.127	SLC27A3	1stExon
cg21607030	chr6	133563532	0.006	0.127	EYA4;EYA4;EYA4	5'UTR;5'UTR;5'UTR
cg04544533	chr12	124811985	-0.007	0.127	NCOR2;NCOR2	Body;Body
cg17476285	chr1	85206405	-0.003	0.128	-	-
cg08638097	chr1	92100082	-0.006	0.128	HSP90B3P	TSS1500
cg13097319	chr16	56553530	0.003	0.128	BBS2	Body
cg14474898	chr12	31479191	0.007	0.128	FAM60A;FAM60A;FAM60A	TSS200;TSS200;TSS200
cg01516930	chr12	6938111	0.003	0.128	LEPREL2	Body
cg26721193	chr8	93114951	0.003	0.128	-	-
cg11251113	chr20	54919239	0.011	0.128	-	-
cg15225042	chr19	13044582	0.017	0.128	FARSA	TSS200
cg15849864	chr15	73661642	0.009	0.128	HCN4	TSS200
cg16049367	chr22	41701763	-0.004	0.128	ZC3H7B	5'UTR
cg00201257	chr12	57390405	-0.003	0.128	GPR182	3'UTR
cg05139924	chr22	21336424	0.009	0.128	LZTR1	TSS200
cg21659774	chr18	21083441	0.007	0.129	C18orf8	TSS200
cg20908110	chr13	37575098	0.009	0.129	EXOSC8	Body
cg04468741	chr11	12181467	-0.009	0.129	MICAL2	5'UTR
cg14918353	chr21	30671695	0.009	0.129	BACH1;BACH1	TSS200;5'UTR
cg19970883	chr15	35082573	-0.014	0.129	ACTC1	3'UTR

cg18234193	chr6	28873520 -0.005	0.129	TRIM27	Body
cg13436799	chr2	170218997 0.002	0.129	LRP2;LRP2	1stExon;5'UTR
cg20455774	chr4	1734371 -0.008	0.129	TACC3	Body
cg26459683	chr15	68346511 0.004	0.129	PIAS1	TSS200
cg00374101	chr8	87878605 -0.004	0.129	CNBD1	TSS200
cg13661519	chr7	27141088 -0.007	0.129	HOXA2	Body
cg02128191	chr10	669285 -0.007	0.129	DIP2C	Body
cg04798154	chr22	51020960 0.005	0.129	CHKB;CHKB-CPT1B;LOC100144603	Body;Body;TSS1500
cg07435163	chr11	1293918 -0.01	0.129	-	-
cg19872284	chr10	49607582 -0.005	0.129	-	-
cg19155699	chr3	196050902 -0.006	0.129	TM4SF19	Body
cg05246775	chr13	52733382 0.005	0.129	NEK3;NEK3;NEK3;NEK3	5'UTR;1stExon;5'UTR;5'UTR;Body
cg07921818	chr17	80664485 -0.003	0.129	-	-
cg20717932	chr17	38226278 0.033	0.129	THRA;THRA	5'UTR;5'UTR
cg15417900	chr12	56710096 0.002	0.129	PAN2;PAN2;CNPY2;PAN2;CNPY2	3'UTR;3'UTR;5'UTR;3'UTR;1stExon
cg12845682	chr4	146540290 0.005	0.129	MMAA	TSS1500
cg04354879	chr17	42634955 0.017	0.129	FZD2;FZD2	1stExon;5'UTR
cg06724402	chr11	101783583 -0.019	0.129	ANGPTL5	5'UTR
cg10245778	chr6	127837570 0.011	0.129	C6orf174	Body
cg26577178	chr12	75905604 0.003	0.129	KRR1	TSS200
cg21225430	chr22	39792959 -0.014	0.129	-	-
cg06198335	chr9	137001969 0.012	0.129	WDR5	5'UTR
cg02836479	chr16	21964489 0.002	0.129	UQCRC2	TSS200
cg14447047	chr6	45389860 0.004	0.129	RUNX2;RUNX2;RUNX2	Body;Body;TSS200
cg08090772	chr8	67344640 0.021	0.129	ADHFE1	TSS200
cg16776035	chr17	74542680 -0.035	0.129	-	-
cg27442478	chr6	155635788 0.035	0.129	TFB1M	TSS200
cg18666004	chr3	42003746 0.023	0.129	ULK4	TSS200
cg09761067	chr7	123388654 0.012	0.129	WASL	Body
cg14997048	chr20	43991673 0.006	0.129	SYS1;SYS1-DBNDD2	TSS200;TSS200
cg09842892	chr6	28966573 -0.001	0.129	ZNF311	Body
cg14033997	chr7	12250938 0.006	0.129	TMEM106B;TMEM106B;TMEM106B;TMEM106B	1stExon;5'UTR;1stExon;5'UTR
cg10177147	chr8	25316367 0.005	0.129	CDCA2;KCTD9	TSS200;TSS1500
cg01474720	chr5	52775681 0.002	0.129	FST;FST	TSS1500;TSS1500
cg13431165	chr3	125691192 0.011	0.129	ROPN1B	Body
cg27040644	chr17	36694989 -0.008	0.129	SRCIN1	Body
cg25190718	chr1	213091517 -0.005	0.129	-	-
cg17308852	chr13	71498532 -0.003	0.129	-	-
cg14214323	chr14	35873275 0.004	0.129	NFKBIA	Body
cg01427362	chr1	54201525 -0.005	0.13	-	-
ch.17.745969	chr17	77085322 0.007	0.13	-	-
cg17892539	chr17	26972196 0.003	0.13	KIAA0100	TSS200
cg08141959	chr13	106809125 -0.007	0.13	-	-
cg22130568	chr17	80972336 -0.018	0.13	B3GNTL1	Body
cg10455757	chr9	35111424 0.005	0.13	KIAA1539	5'UTR
cg20721542	chr17	48045906 0.007	0.13	DLX4	TSS1500
cg24444408	chr16	87799134 0.004	0.13	KLHDC4	Body
cg24588375	chr19	37997791 0.008	0.13	ZNF793	TSS200
cg14215186	chr9	139127059 -0.007	0.131	QSOX2	Body
cg14487292	chr17	36105517 0.009	0.131	HNF1B;HNF1B	TSS1500;TSS1500
cg16909364	chr12	72057977 0.003	0.131	ZFC3H1;THAP2;THAP2	TSS1500;1stExon;5'UTR
cg20749185	chr2	236901426 -0.01	0.131	AGAP1;AGAP1	Body;Body
cg11094122	chr20	35579338 0.006	0.131	SAMHD1	Body
cg23280294	chr1	8722464 -0.011	0.131	RERE;RERE	5'UTR;5'UTR
cg00763834	chr19	45927335 0.008	0.131	ERCC1;ERCC1;ERCC1	TSS200;TSS1500;TSS200
cg23667108	chr7	1954008 -0.004	0.131	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg08371333	chr20	57793643 -0.007	0.131	ZNF831	Body
cg06077821	chr5	180048893 -0.002	0.131	FLT4;FLT4	Body;Body
cg07862083	chr17	21187823 0.009	0.131	MAP2K3	TSS200
cg20772332	chr6	28602639 0.007	0.131	-	-
cg01292175	chr18	24445240 -0.004	0.131	AQP4;C18orf16	Body;TSS200
cg07705912	chr1	154155363 0.009	0.131	TPM3;TPM3;TPM3;TPM3;TPM3	Body;Body;Body;Body;Body
cg08863459	chr2	72372965 0.009	0.132	CYP26B1	Body
cg08454344	chr1	216770605 -0.004	0.132	ESRRG;ESRRG;ESRRG;ESRRG;ESRRG	Body;Body;Body;Body;Body
cg08567498	chr19	51307937 0.004	0.132	C19orf48;C19orf48;C19orf48;C19orf48	1stExon;5'UTR;1stExon;5'UTR
cg19577098	chr17	79658554 -0.007	0.132	HGS	Body
cg00340138	chr1	247466949 -0.005	0.132	ZNF496	Body
cg16225405	chr11	67141422 0.006	0.132	LOC100130987;CLCF1;CLCF1	Body;TSS1500;5'UTR
cg26119367	chr2	17699620 0.002	0.132	RAD51AP2	1stExon
cg07799366	chr6	52226754 0.003	0.132	PAQR8	TSS200
cg14773282	chr19	19754574 0.007	0.132	GMIP	TSS200
ch.1.24684R	chr1	1190026 0.006	0.132	UBE2J2;UBE2J2;UBE2J2	3'UTR;3'UTR;3'UTR;3'UTR
cg05203875	chr4	1801294 -0.011	0.132	FGFR3;FGFR3;FGFR3	Body;Body;Body
cg01831767	chr12	111874281 -0.013	0.132	SH2B3	Body
cg26955987	chr12	3862457 -0.004	0.132	EFCAB4B;EFCAB4B;EFCAB4B	TSS200;TSS200;TSS200
cg14220262	chr1	1114963 -0.019	0.132	TLL10;TLL10	Body;TSS200
cg08858272	chr13	101706283 -0.006	0.132	NALCN	3'UTR
cg20287230	chr14	101498232 -0.007	0.132	MIRS43	TSS200
cg05997278	chr2	69304921 -0.003	0.132	ANTXR1;ANTXR1;ANTXR1	Body;Body;Body
cg21872336	chr7	1710378 0.002	0.132	-	-
cg25998813	chr8	50494670 -0.008	0.132	-	-
cg23979832	chr17	79031550 -0.005	0.132	BAIAP2;BAIAP2;BAIAP2;BAIAP2	Body;Body;Body;Body
cg13577915	chr3	126131588 -0.009	0.132	CCDC37	Body
cg09341491	chr16	50707795 -0.014	0.132	SNX20;SNX20;SNX20	Body;Body;Body
cg23433527	chr15	52587751 0.003	0.132	MYO5C	Body
cg12336877	chr9	139981325 0.006	0.132	LOC100289341;MAN1B1	TSS200;TSS200
cg24541426	chr2	177029459 0.009	0.132	HOXD3	5'UTR
cg18689573	chr19	49344467 -0.005	0.132	PLEKHA4;PLEKHA4	Body;Body
cg08697732	chr17	81014091 -0.036	0.132	-	-
cg05877990	chr8	94241979 -0.002	0.132	-	-
cg07428333	chr13	99127343 -0.002	0.132	STK24;STK24	Body;Body
cg24659216	chr19	58090357 0.011	0.132	ZNF416	TSS200
cg17520256	chr17	58603657 0.002	0.132	APPPBP2	TSS200
cg10597379	chr2	235978434 -0.009	0.132	-	-
cg11232005	chr2	69614317 0.003	0.132	GFPT1;GFPT1	1stExon;5'UTR
cg16983159	chr5	138862441 0.008	0.132	TMEM173	TSS200
cg25848398	chr2	231902965 0.008	0.132	C2orf72	Body
cg02564259	chr16	67978429 -0.005	0.132	SLC12A4;SLC12A4;SLC12A4;SLC12A4;SLC12A4	3'UTR;3'UTR;3'UTR;3'UTR;TSS1500
cg12322852	chr20	4764077 -0.006	0.132	RASSF2;RASSF2	3'UTR;3'UTR
cg22627390	chr21	27012066 0.017	0.132	JAM2;JAM2	1stExon;5'UTR
cg25477497	chr7	87228808 0.004	0.132	ABCB1	Body
cg06033387	chr1	23751582 0.012	0.132	TCEA3	TSS1500
cg19511748	chr5	94220272 -0.004	0.132	MCTP1;MCTP1	Body;Body
cg06272543	chr2	171571716 0.003	0.132	LOC440925;SP5	TSS1500;TSS200

cg00843939	chr7	151038742	0.005	0.132	NUB1	TSS200
cg17842997	chr2	108941716	-0.006	0.132	-	-
cg08952343	chr8	19615134	0.036	0.132	-	-
cg03272089	chr19	2191261	-0.007	0.132	DOT1L	Body
cg00958304	chr8	17781171	0.004	0.132	PCM1	5'UTR
cg05406334	chr4	665518	-0.008	0.132	-	-
cg19992450	chr8	141613380	-0.006	0.132	EIF2C2;EIF2C2	Body;Body
cg05508793	chr12	133433000	-0.108	0.132	CHFR;CHFR;CHFR;CHFR;CHFR	Body;Body;Body;Body;Body
cg08788291	chr17	73628166	-0.008	0.132	RECQL5;LOC643008	Body;TSS1500
cg27445169	chr11	65769623	0.011	0.132	BANF1;BANF1;EIF1AD;BANF1;BANF1	1stExon;5'UTR;TSS200;5'UTR;1stExon
cg09276158	chr14	38065152	0.003	0.132	FOXA1	TSS1500
cg01184577	chr6	33090564	-0.031	0.132	HLA-DPB2	Body
cg15392351	chr1	40563091	0.013	0.132	PPT1;PPT1;PPT1;PPT1	1stExon;1stExon;5'UTR;5'UTR
cg09193479	chr11	86382900	0.001	0.132	ME3;ME3;ME3	Body;1stExon;Body
cg23326234	chr5	490647	-0.007	0.132	SLC9A3	Body
cg05206183	chr17	79991323	-0.009	0.132	RAC3	Body
cg14909424	chr7	2417033	-0.012	0.132	EIF3B;EIF3B	Body;Body
cg15432532	chr7	27706637	-0.005	0.132	-	-
cg21126453	chr7	1120247	-0.028	0.132	C7orf50;C7orf50;C7orf50	Body;Body;Body
cg02064499	chr15	60285234	-0.003	0.133	-	-
cg13907049	chr19	1753623	0.006	0.133	ONECUT3	TSS200
cg04032871	chr19	46195965	0.006	0.133	QPCTL;SNRPD2;QPCTL;SNRPD2	1stExon;TSS1500;1stExon;TSS1500
cg19891435	chr13	114145178	0.006	0.133	DCUN1D2;TMCO3	TSS200;TSS200
cg03823904	chr7	80548456	0.005	0.133	SEMA3C;SEMA3C	5'UTR;1stExon
cg03847705	chr10	115860959	0.007	0.133	-	-
cg00262030	chr8	61837048	-0.034	0.133	-	-
cg18562243	chr3	181414189	0.009	0.133	SOX2OT	Body
cg12065579	chr5	134871948	0.004	0.133	NEUROG1	TSS1500
cg13565994	chr7	142635549	-0.006	0.133	C7orf34	TSS1500
cg20163288	chr17	42908052	0.007	0.133	GJC1;GJC1;GJC1	1stExon;5'UTR;TSS1500
cg16639915	chr15	64960011	-0.019	0.134	ZNF609	Body
cg15822712	chr14	24021124	0.004	0.134	-	-
cg15151293	chr20	57036426	-0.008	0.134	APCDD1L	Body
cg03323794	chr7	151215397	0.002	0.134	RHEB	Body
cg11600078	chr17	79100124	-0.008	0.134	MIR657;AATK;MIR338	TSS1500;Body;TSS1500
cg16336127	chr5	76941173	0.007	0.134	-	-
cg16695890	chr19	15580310	0.004	0.134	PGLYRP2	Body
cg05031435	chr2	236869406	-0.004	0.134	AGAP1;AGAP1	Body;Body
cg05228802	chr1	223900438	0.008	0.134	CAPN2;CAPN2	1stExon;Body
cg16377368	chr15	78397058	-0.007	0.134	CIB2	3'UTR
cg19784477	chr7	93519401	0.005	0.134	TFPI2	Body
cg18956908	chr6	33285075	-0.013	0.134	ZBTB22;ZBTB22	5'UTR;5'UTR
cg10715426	chr2	237473828	-0.022	0.134	-	-
cg07852735	chr8	63951642	0.008	0.134	GGH	TSS200
cg21002651	chr11	104905889	0.005	0.134	CASP1;CASP1;CASP1;CASP1	Body;Body;Body;Body;Body
cg11249215	chr1	110036563	0.001	0.134	CYB561D1;CYB561D1;CYB561D1;CYB561	TSS200;TSS200;TSS200;TSS200
cg21723245	chr6	29973407	-0.024	0.134	HLA-J;NCRNA00171	TSS1500;Body
cg09434102	chr12	122631552	-0.003	0.134	-	-
cg01704332	chr1	151020263	0.005	0.134	C1orf56;C1orf56	5'UTR;1stExon
cg06671450	chr9	36985987	0.015	0.134	PAX5	Body
cg02777885	chr6	99281818	0.008	0.134	POU3F2	TSS1500
cg06431702	chr11	66624841	0.005	0.134	PC;PC;LRFN4;PC	Body;Body;TSS200;Body
cg20082830	chr2	232395355	0.011	0.134	NMUR1	TSS200
cg11740027	chr22	50651198	-0.018	0.134	SELO	Body
cg04719420	chr1	183441464	0.018	0.134	SMG7;SMG7;SMG7	TSS200;TSS200;TSS200
cg17733746	chr12	12419752	0.008	0.134	LRP6;LRP6	5'UTR;1stExon
cg20687462	chr16	57570777	0.009	0.134	CCDC102A	TSS1500
cg05562080	chr4	38666448	0.003	0.134	KLF3;FLJ13197	5'UTR;TSS200
cg02809401	chr11	65326208	0.002	0.134	LTBP3;LTBP3;LTBP3	TSS1500;TSS1500;TSS1500
cg20913372	chr9	140190455	0.011	0.134	-	-
cg14364356	chr21	44495495	0.032	0.134	CBS	5'UTR
cg23152055	chr15	75661059	0.01	0.134	MAN2C1	TSS200
cg16201038	chr13	28544760	0.027	0.134	CDX2	TSS1500
cg06858855	chr19	14017133	0.007	0.134	CC2D1A;C19orf57;CC2D1A	5'UTR;TSS1500;1stExon
cg10931739	chr6	30524013	0.005	0.134	PRR3;GNL1;PRR3;GNL1	TSS1500;5'UTR;TSS1500;1stExon
cg00213714	chr9	119449370	0.007	0.134	ASTN2;ASTN2;TRIM32;ASTN2;TRIM32;A	Body;Body;TSS1500;1stExon;TSS1500;5'UTR;Body
cg01353064	chr4	679526	-0.008	0.134	MFS07	Body
cg03152800	chr16	3167090	-0.003	0.134	MGC3771;ZNF205;ZNF205;MGC3771	TSS1500;Body;Body;TSS1500
cg24696967	chr6	165747029	-0.002	0.134	PDE10A;PDE10A	Body;Body
cg18563133	chr14	104992441	-0.008	0.134	-	-
cg12616745	chr2	191273000	0.011	0.134	MFS06	TSS200
cg13267298	chr14	104928675	0.004	0.134	-	-
cg21787965	chr7	41739742	0.006	0.134	LOC285954;LOC285954;INHBA	Body;Body;Body
cg20917920	chr11	70416238	-0.01	0.134	SHANK2;SHANK2	Body;Body
cg01339029	chr19	5905526	0.005	0.134	TRIM28	TSS1500
cg15847685	chr4	62129666	-0.058	0.134	-	-
cg17190608	chr12	111471489	0.004	0.134	CUX2	TSS1500
cg16274098	chr8	92053265	0.013	0.134	TMEM55A	TSS200
cg02357838	chr12	112847022	0.005	0.134	RPL6;RPL6	5'UTR;5'UTR
ch.10.655137	chr10	65843749	0.019	0.135	-	-
cg04350645	chr13	26620797	-0.012	0.135	SHISA2	Body
cg05599337	chr1	203697478	-0.004	0.135	ATP2B4;SNORA77;ATP2B4	Body;TSS1500;Body
cg14025632	chr9	132163023	-0.01	0.135	-	-
cg13116158	chr8	143111655	-0.006	0.135	-	-
cg27193795	chr17	79518817	0.012	0.135	C17orf70;C17orf70	Body;5'UTR
cg00358278	chr16	88594506	-0.01	0.135	ZFPM1	Body
cg14263093	chr10	131365266	-0.007	0.135	MGMT	Body
cg01363736	chr20	37172289	-0.007	0.135	RALGAPB	Body
cg13331626	chr10	99080071	0.01	0.135	FRAT1;FRAT1	1stExon;3'UTR
cg11548446	chr2	28867073	-0.009	0.135	-	-
cg22172309	chr4	170492620	-0.007	0.135	NEK1	Body
cg24472218	chr7	112579509	0.017	0.135	C7orf60	Body
cg11681462	chr12	69417830	-0.004	0.135	-	-
cg05364394	chr1	151138315	0.006	0.135	LYSMD1;LYSMD1;SCNM1;LYSMD1;LYSM	1stExon;5'UTR;TSS1500;5'UTR;1stExon
cg05286425	chr20	3756106	-0.002	0.135	-	-
cg01968242	chr8	98787927	0.009	0.135	LAPTM4B;LAPTM4B	1stExon;5'UTR
cg08577384	chr10	30024811	0.006	0.135	SVIL	TSS200
cg27182172	chr4	23890890	0.004	0.135	PPARGC1A	Body
cg20672430	chr6	33287248	-0.012	0.136	DAXX;DAXX;DAXX;DAXX	Body;Body;Body;Body
cg22349489	chr6	27114943	0.006	0.136	HIST1H2BK;HIST1H2AH	TSS1500;1stExon
cg11140044	chr1	205156833	-0.006	0.136	DSTYK;DSTYK	Body;Body
cg21149260	chr1	249136658	-0.005	0.136	ZNF672	5'UTR
cg13560408	chr14	77843201	0.006	0.136	C14orf174;TMED8	TSS1500;Body
cg20637603	chr2	166053916	-0.003	0.136	SCN3A;SCN3A;SCN3A	5'UTR;5'UTR;5'UTR

cg12665973	chr15	42867875	0.004	0.136	STARD9;STARD9	1stExon;5'UTR
cg10569039	chr7	42277044	0.018	0.136	GLI3	TSS1500
cg23934819	chr11	124788965	-0.004	0.136	HEPN1	TSS200
cg26872706	chr19	12551931	0.013	0.136	ZNF443	TSS200
cg14202478	chr12	67463281	0.007	0.136	-	-
cg18774195	chr3	170303830	0.012	0.136	SLC7A14;SLC7A14	5'UTR;1stExon
cg06385324	chr16	2014621	0.007	0.136	SNHG9;SNORA78;RPS2	TSS1500;TSS1500;Body
cg07597874	chr22	18561409	0.005	0.137	PEX26;PEX26	Body;Body
cg02369195	chr12	47473793	0.007	0.137	AMIGO2;AMIGO2	TSS200;TSS200
cg24744258	chr17	40939380	-0.003	0.137	WNK4	Body
cg25230917	chr3	66527285	-0.014	0.137	LRIG1	Body
cg03661387	chr10	28720006	-0.013	0.137	-	-
cg05981584	chr5	2708607	-0.018	0.137	-	-
cg16650530	chr1	32538413	0.002	0.137	TMEM39B	TSS200
cg19372952	chr6	87884827	-0.003	0.137	ZNF292	Body
cg22598247	chr7	157614399	-0.008	0.137	PTPRN2;PTPRN2;PTPRN2	Body;Body;Body
cg25016364	chr7	152457024	0.013	0.137	ACTR3B;ACTR3B	Body;Body
cg25991879	chr6	2948822	-0.019	0.137	SERPIN6	Body
cg09489825	chr2	129497875	-0.002	0.137	-	-
cg09849472	chr4	103789962	0.007	0.137	UBE2D3;CISD2;UBE2D3;UBE2D3;UBE2D3	5'UTR;TSS200;1stExon;5'UTR;1stExon
cg00188032	chr5	96141721	-0.014	0.137	ERAP1;ERAP1	5'UTR;5'UTR
cg00492741	chr16	89019632	-0.004	0.137	CBFA2T3	Body
cg19521934	chr6	28192979	0.004	0.137	ZNF193	TSS200
cg06784260	chr12	69634187	0.005	0.137	CPSF6	Body
cg11498079	chr5	173043766	0.011	0.137	BOD1;BOD1	TSS200;TSS200
cg25800082	chr19	57702803	0.007	0.137	ZNF264	TSS200
cg18336957	chr3	16646647	-0.009	0.137	DAZL	Body
cg12399224	chr20	62383456	-0.014	0.137	ZBTB46	Body
cg08718230	chr6	21596358	0.008	0.137	SOX4;SOX4	3'UTR;1stExon
cg13935507	chr8	123793925	0.008	0.137	ZHX2;ZHX2	5'UTR;1stExon
cg20224780	chr10	132942362	0.042	0.137	TCERG1L	Body
cg23087358	chr2	121745872	-0.006	0.137	GLI2	Body
cg11260422	chr14	38064112	0.006	0.137	FOXA1	1stExon
cg03840647	chr14	36974968	0.009	0.137	SFTA3	Body
cg05663655	chr7	107532014	0.011	0.137	DLD	Body
cg01224103	chr19	18221194	0.007	0.137	MAST3	Body
cg25565383	chr2	17699773	0.004	0.137	RAD51AP2	TSS200
cg11849327	chr10	76682695	-0.017	0.137	MYST4	Body
cg12123154	chr19	3198856	-0.002	0.137	NCLN	Body
cg07930207	chr6	31617606	-0.014	0.137	BAT3;BAT3;BAT3;BAT3	Body;Body;Body;Body
cg11318307	chr19	9695355	0.002	0.137	ZNF121	TSS200
cg23028631	chr1	2335500	-0.003	0.137	RER1	3'UTR
cg00711711	chr7	137687007	0.015	0.137	CREB3L2	TSS200
cg21157873	chr1	151486487	-0.009	0.138	CGN	5'UTR
cg02146462	chr17	2757523	0.004	0.138	RAP1GAP2;RAP1GAP2	Body;Body
cg07843419	chr19	10176296	-0.011	0.138	C3P1	Body
cg26334299	chr5	139571801	-0.003	0.138	C5orf32	5'UTR
cg09705667	chr11	125525217	-0.011	0.138	CHEK1;CHEK1;CHEK1	3'UTR;3'UTR;3'UTR
cg26684673	chr11	122543428	-0.008	0.138	UBASH3B	Body
cg11044273	chr21	43184667	-0.005	0.138	RIPK4	Body
cg20729991	chr10	102121439	-0.012	0.138	SCD	3'UTR
cg18520238	chr11	36422557	0.004	0.138	PRR5L;PRR5L;PRR5L;PRR5L;PRR5L	5'UTR;5'UTR;1stExon;5'UTR;Body
cg22438525	chr16	85784374	0.003	0.138	C16orf74	5'UTR
cg06705772	chr11	62439523	0.005	0.138	C11orf48;C11orf83	TSS1500;Body
cg27487587	chr1	26150119	-0.005	0.138	FAM54B;FAM54B;FAM54B;LOC646471;F	Body;Body;Body;TSS200;Body
cg27247569	chr16	88097866	-0.004	0.138	BANP;BANP	Body;Body
cg16955074	chr12	121671600	-0.014	0.138	P2RX4	3'UTR
cg07031408	chr13	24269867	0.049	0.138	-	-
cg18135489	chr11	120874859	-0.009	0.138	-	-
cg24606939	chr3	99979607	0.006	0.138	TBC1D23	TSS200
cg19108966	chr3	47555866	-0.003	0.138	C3orf75	TSS1500
cg09660584	chr15	64388147	0.002	0.138	SNX1;SNX1;SNX1	TSS200;TSS200;TSS200
cg05365285	chr16	2060031	0.003	0.138	ZNF598	TSS1500
cg00704633	chr4	170948762	0.031	0.138	MFAP3L	TSS1500
cg22730140	chr5	172660996	0.014	0.138	NKX2-5;NKX2-5;NKX2-5	Body;Body;Body
cg01046798	chr6	43464075	-0.02	0.138	TJAP1;TJAP1;TJAP1;TJAP1;TJAP1;TJAP1;T	5'UTR;5'UTR;5'UTR;5'UTR;Body;5'UTR;5'UTR
cg07707505	chr1	12185435	-0.025	0.138	TNFRSF8;TNFRSF8	Body;TSS1500
cg03157509	chr19	1313407	-0.006	0.138	-	-
cg26269644	chr1	173793817	0.014	0.138	CENPL;DARS2;DARS2;CENPL;CENPL	TSS1500;1stExon;5'UTR;TSS200;TSS200
cg00061150	chr8	144918317	-0.011	0.138	NRBP2	Body
cg01982637	chr3	173768723	-0.003	0.138	NLGN1	Body
cg06979645	chr6	33386196	0.009	0.138	CUTA;CUTA;CUTA;CUTA;CUTA	TSS200;TSS200;TSS200;TSS200;TSS200
cg20070418	chr2	239162230	-0.012	0.138	PER2	Body
cg21045388	chr1	15428172	-0.004	0.138	KIAA1026	Body
cg04801402	chr6	46138912	0.006	0.138	ENPP5	TSS200
cg14350701	chr9	138969712	-0.007	0.138	NACC2	5'UTR
cg25561762	chr13	20876028	0.01	0.138	-	-
cg01220033	chr9	131419100	0.01	0.138	WDR34;WDR34	5'UTR;1stExon
cg16113254	chr14	75777372	-0.01	0.138	-	-
cg16711291	chr3	193991157	-0.008	0.138	-	-
cg24922399	chr10	70660701	0.003	0.138	DDX50	TSS1500
cg01022916	chr1	31196938	-0.048	0.138	MATN1	TSS1500
cg07186707	chr19	39616465	0.005	0.138	PAK4;PAK4;PAK4;PAK4;PAK4;PAK4	5'UTR;5'UTR;1stExon;5'UTR;1stExon;1stExon;5'UTR;1stExon;1stExon;5'UTR
cg19201477	chr8	21776851	0.005	0.138	XPO7;XPO7	TSS1500;TSS1500
cg01787285	chr1	2162682	0.052	0.138	SKI	Body
cg10543501	chr5	153857285	0.018	0.138	HAND1	1stExon
cg02668843	chr17	40575479	0.016	0.138	PTRF	TSS200
cg24584367	chr1	156565633	-0.005	0.138	GPATCH4;GPATCH4	Body;Body
cg04059835	chr3	128598095	0.006	0.138	ACAD9	TSS1500
cg19529577	chr12	65174392	0.005	0.138	-	-
cg20576153	chr14	60975841	0.02	0.138	SIX6	TSS200
cg12606399	chr1	70876879	0.004	0.138	CTH;CTH	TSS200;TSS200
cg08468472	chr19	4101947	-0.003	0.139	MAP2K2	Body
cg19790543	chr11	101587210	-0.016	0.139	-	-
cg09709079	chr12	7174923	-0.002	0.139	C1S;C1S	Body;Body
cg13962589	chr9	131647126	-0.011	0.139	LRRRC8A;LRRRC8A;LRRRC8A	5'UTR;5'UTR;5'UTR
cg22133366	chr11	70385327	-0.016	0.139	SHANK2;SHANK2	Body;Body
cg04879240	chr12	13237239	-0.003	0.139	GSG1;GSG1;GSG1;GSG1	3'UTR;3'UTR;3'UTR;3'UTR
cg01282195	chr8	95952351	-0.011	0.139	TP53INP1;TP53INP1	Body;Body
cg25882496	chr12	120551806	-0.005	0.139	RAB35;RAB35	Body;Body
cg00361609	chr5	170881793	-0.007	0.139	FGF18	Body
cg13730341	chr6	29589573	-0.005	0.139	GABBR1;GABBR1;GABBR1	Body;Body;Body
cg08096367	chr15	95384471	-0.002	0.139	-	-
cg17989037	chr17	57232584	0.004	0.139	SKA2;SKA2;SKA2;PRR11;SKA2	1stExon;5'UTR;1stExon;TSS1500;5'UTR

cg09805055	chr2	208634004	0.01	0.141	FZD5;FZD5	1stExon;5'UTR
cg00599401	chr6	30538989	0.007	0.141	ABCF1;ABCF1	TSS200;TSS200
cg11267619	chr7	29604021	0.004	0.141	PRR15	5'UTR
cg24727399	chr4	122302265	0.012	0.141	QRFRP	TSS200
cg21336456	chr2	101014002	-0.008	0.141	CHST10	Body
cg06670785	chr22	20073572	-0.007	0.141	MIR1306;DGCR8	TSS200;Body
cg12868052	chr15	87042642	-0.018	0.141	AGBL1	Body
cg08245789	chr22	40289538	-0.006	0.141	ENTHD1	5'UTR
cg01915994	chr3	134514472	0.009	0.141	EPHB1;EPHB1	1stExon;5'UTR
cg19953799	chr2	97427733	-0.003	0.141	CNNM4	1stExon
cg08728129	chr17	46894191	0.005	0.141	TTL6	Body
cg20011974	chr14	75469661	0.007	0.141	EIF2B2;EIF2B2	1stExon;5'UTR
cg20218275	chr11	67055946	0.009	0.141	ANKRD13D;ANKRD13D	TSS1500;TSS1500
cg13904267	chr9	117267242	0.007	0.141	DFNB31;DFNB31	5'UTR;1stExon
cg18588934	chr9	132083215	0.003	0.141	C9orf106	TSS200
cg13316736	chr6	21589687	0.017	0.141	-	-
cg13303358	chr1	245644687	-0.023	0.141	KIF26B	Body
cg27654787	chr16	30022277	0.021	0.141	DOC2A;DOC2A	1stExon;5'UTR
cg23270924	chr14	101531593	-0.003	0.141	MIR409;MIR410;MIR412;MIR369;MIR65	TSS200;TSS1500;TSS200;TSS1500;TSS1500
cg17493193	chr1	26440896	-0.015	0.141	PDIK1L;PDIK1L;PDIK1L	Body;Body;Body
cg15116918	chr17	78669552	-0.004	0.141	RPTOR;RPTOR	Body;Body
cg04770504	chr7	24797363	0.004	0.141	DFNAS;DFNAS;DFNAS;DFNAS;DFNAS	1stExon;TSS1500;1stExon;5'UTR;5'UTR
cg01654566	chr22	28035193	-0.008	0.141	-	-
cg14598373	chr2	121494937	0.003	0.141	-	-
cg17928095	chr1	156252714	0.032	0.141	TMEM79;SMG5;TMEM79	Body;TSS200;TSS1500
cg00806138	chr1	47881404	-0.018	0.141	FOXO3	TSS1500
cg19844704	chr10	119304705	0.012	0.141	EMX2;EMX2OS;EMX2	Body;TSS200;Body
cg14228269	chr17	21316002	-0.008	0.141	KCNJ12	5'UTR
cg15628953	chr12	64238424	0.006	0.141	SRGAP1	TSS200
cg13274014	chr14	77407793	-0.004	0.141	-	-
cg05755715	chr2	21646627	-0.01	0.141	-	-
cg13378886	chr1	26232871	0.009	0.141	STMN1;STMN1;STMN1;STMN1	TSS1500;5'UTR;5'UTR;5'UTR
cg00726151	chr14	97881274	-0.006	0.141	-	-
cg23634681	chr18	71741326	-0.003	0.141	FBXO15;FBXO15	Body;Body
cg08256260	chr16	29937746	0.012	0.141	KCTD13	TSS1500
cg13403236	chr20	62045250	-0.01	0.141	KCNQ2;KCNQ2;KCNQ2;KCNQ2	Body;Body;Body;Body
cg15635524	chr8	17767854	-0.005	0.141	-	-
cg27129320	chr11	125657430	-0.002	0.141	PATE3	TSS1500
cg27443310	chr7	90225778	0.004	0.141	-	-
cg03276401	chr17	62225407	-0.049	0.141	TEX2	3'UTR
cg18374299	chr11	14996911	0.004	0.141	-	-
cg11604519	chr7	157622032	-0.004	0.141	PTPRN2;PTPRN2;PTPRN2	Body;Body;Body
cg11829872	chr14	31494210	0.003	0.141	STRN3;STRN3;AP4S1;AP4S1	Body;Body;TSS1500;TSS1500
cg27447868	chr1	204042270	0.004	0.141	SOX13;SOX13	1stExon;5'UTR
cg21374672	chr6	16324968	-0.005	0.141	ATXN1;ATXN1	Body;Body
cg06146897	chr12	3475463	0.003	0.141	-	-
cg15507925	chr11	47788809	0.006	0.141	FNBP4	1stExon
cg19440866	chr3	17217473	-0.004	0.141	TBC1D5;TBC1D5;TBC1D5	Body;Body;Body
cg06729381	chr11	61302186	-0.013	0.141	SYT7	Body
cg04422562	chr7	155247170	0.005	0.141	-	-
cg00931124	chr16	967929	-0.003	0.141	LMF1	Body
cg22340644	chr7	75368344	0.006	0.141	HIP1	TSS200
cg23656380	chr20	60877581	0.002	0.141	ADRM1;ADRM1	TSS1500;TSS1500
cg24481035	chr19	54388422	-0.003	0.141	PRKCG	Body
cg01764046	chr1	32082577	-0.006	0.141	HCRTR1	TSS1500
cg03697723	chr17	79451274	0.007	0.141	-	-
cg13023619	chr12	75947876	-0.005	0.141	-	-
cg07973967	chr17	62009607	0.005	0.141	CD79B;CD79B;CD79B	1stExon;1stExon;1stExon
cg21640603	chr19	11310131	-0.009	0.141	DOCK6	3'UTR
cg20350484	chr12	123706092	-0.011	0.141	MPHOSPH9	1stExon
cg12937034	chr11	118662123	0.003	0.141	DDX6	TSS200
cg00428296	chr1	230513970	-0.003	0.141	PGBD5	TSS1500
cg00675313	chr8	121458556	-0.02	0.141	MTBP;MRPL13	Body;TSS1500
cg22032385	chr2	236721769	-0.005	0.141	AGAP1;AGAP1	Body;Body
cg23224128	chr7	928983	0.008	0.141	C7orf20	Body
cg21248305	chr6	30132715	-0.007	0.141	TRIM15	Body
cg21340148	chr19	2702986	0.009	0.141	GN7	TSS1500
cg22501103	chr1	27693942	-0.006	0.141	MAP3K6	TSS1500
cg25236230	chr15	40212502	0.008	0.141	GPR176;GPR176	5'UTR;1stExon
cg06979281	chr16	1370412	-0.007	0.141	UBE2I;UBE2I;UBE2I;UBE2I	Body;Body;Body;Body
cg04627186	chr2	178257342	0.008	0.141	LOC100130691;AGPS	Body;TSS200
cg06378770	chr6	29521714	0.004	0.141	-	-
cg10879683	chr2	10442817	0.003	0.141	HPCAL1;HPCAL1	TSS1500;TSS1500
cg10817855	chr7	99019985	-0.008	0.141	PTCD1	Body
cg16016270	chr18	30351214	0.007	0.141	KLHL14	5'UTR
cg06857263	chr19	47260556	-0.006	0.141	FKRP;FKRP	3'UTR;3'UTR
cg01269456	chr2	74154221	0.007	0.141	DGUOK;DGUOK	Body;Body
cg15492834	chr1	162351057	-0.005	0.141	C1orf226;C1orf226	Body;TSS1500
cg00190545	chr17	37073701	-0.008	0.141	LASP1	Body
cg02995493	chr1	66311218	-0.021	0.141	PDE4B;PDE4B	5'UTR;5'UTR
cg25024717	chr12	54324583	0.027	0.141	-	-
cg12861170	chr19	19639553	-0.04	0.141	YJEFN3	TSS200
cg12532266	chr5	132201652	-0.05	0.141	GDF9;UQCRCQ	TSS1500;TSS1500
cg05576451	chr11	125757753	0.016	0.141	HYLS1;HYLS1	5'UTR;5'UTR
cg00286119	chr8	29732574	-0.011	0.141	-	-
cg03041629	chr11	100463590	-0.01	0.141	-	-
cg14196824	chr6	32363942	-0.003	0.141	BTNL2	Body
ch.4.17106261	chr4	170826085	0.01	0.141	-	-
cg08286181	chr12	115134991	0.012	0.141	-	-
cg14827929	chr4	187002617	-0.006	0.141	TLR3	Body
cg10717290	chr7	119913576	0.006	0.141	KCND2	TSS200
cg10483909	chr1	243418637	0.004	0.141	CEP170;CEP170;CEP170;SDCCAG8;CEP170	5'UTR;1stExon;1stExon;TSS1500;1stExon;5'UTR;5'UTR
cg22228783	chr18	74844034	0.021	0.141	MBP;MBP	5'UTR;5'UTR
cg07514618	chr14	103979422	-0.009	0.141	-	-
cg22331666	chr20	57226202	0.022	0.141	STX16;STX16;STX16;STX16	TSS200;TSS200;TSS200;TSS200
cg14557909	chr17	27055507	0.007	0.141	NEK8	TSS1500
cg08036796	chr19	5034282	-0.008	0.141	KDM4B	Body
cg13582959	chr10	134462849	-0.003	0.141	INPP5A	Body
cg17376730	chr19	2096346	0.007	0.141	C19orf36;C19orf36;MOBK2A	TSS1500;TSS1500;TSS200
cg16171860	chr1	17750766	-0.008	0.141	RCC2;RCC2	Body;Body
cg22826038	chr10	121169671	-0.011	0.141	GRK5	Body
cg20441046	chr6	21361167	-0.004	0.141	-	-
cg12942165	chr11	9286299	0.015	0.141	DENND5A	Body
cg02703235	chr6	30123198	-0.005	0.141	TRIM10;TRIM10	Body;Body

cg17927151	chr10	97321482	0.005	0.141	SORBS1;SORBS1	TSS1500;TSS1500
cg16512069	chr2	33824427	0.007	0.141	FAM98A	TSS200
cg17106526	chr20	17474582	-0.008	0.141	BFBP1;BFBP1	3'UTR;3'UTR
cg14153668	chr15	73616457	-0.019	0.141	HCN4	Body
cg06719334	chr16	7501308	-0.008	0.141	A2BP1;A2BP1;A2BP1;A2BP1;A2BP1;A2BP1	Body;Body;Body;Body;Body;Body
cg10037494	chr11	2161135	0.003	0.141	INS-IGF2;IGF2AS;IGF2;IGF2;IGF2AS;IGF2	Body;TSS1500;Body;5'UTR;TSS1500;TSS1500
cg10978966	chr1	153353336	-0.004	0.141	-	-
cg02750954	chr17	40847780	-0.019	0.141	CNTNAP1	Body
cg13204093	chr17	42277915	0.006	0.141	-	-
cg15098957	chr19	39962116	-0.013	0.141	SUPT5H;SUPT5H;SUPT5H;SUPT5H	Body;Body;Body;Body
cg22609380	chr12	98849379	-0.006	0.141	-	-
cg08463173	chr7	23715974	-0.025	0.141	-	-
cg06019841	chr2	238990144	-0.014	0.141	SCLY	Body
cg07097310	chr17	77808391	-0.012	0.141	CBX4	Body
cg14075607	chr6	32163560	0.006	0.141	GPSM3;NOTCH4	TSS1500;Body
cg14011422	chr10	5227757	-0.004	0.141	AKR1CL1	TSS1500
cg23222057	chr3	59798132	-0.006	0.141	FHIT;FHIT	Body;Body
cg24378951	chr15	101690195	-0.023	0.141	-	-
cg17574471	chr4	1834678	-0.004	0.141	LETM1	Body
cg25341789	chr19	3506185	0.005	0.141	FZR1	TSS200
cg00672214	chr8	1132883	-0.008	0.141	-	-
cg19003430	chr12	44152759	0.006	0.141	PUS7L;PUS7L;IRAK4;IRAK4;PUS7L;IRAK4	TSS200;TSS200;5'UTR;5'UTR;TSS200;1stExon;1stExon;1stExon;1stExon;5'UTR;5'UTR;1stExon
cg23513567	chr17	881949	0.036	0.141	NXN	Body
cg00385194	chr11	57957102	-0.006	0.141	OR9Q2	TSS1500
cg11373429	chr19	10400751	0.014	0.141	ICAM5	1stExon
cg09410871	chr10	8408591	-0.009	0.142	-	-
cg02019072	chr2	182521926	0.002	0.142	CERKL;CERKL;CERKL;CERKL;CERKL;CERKL	TSS200;TSS200;TSS200;TSS200;TSS200;TSS200
cg04783764	chr2	230845423	-0.003	0.142	FBXO36	Body
cg19627869	chr12	56391069	0.006	0.142	SUOX;SUOX;SUOX;SUOX;SUOX;SUOX	5'UTR;1stExon;1stExon;5'UTR;5'UTR;1stExon
cg04731570	chr5	139487691	0.004	0.142	-	-
cg22572820	chr3	126554736	-0.004	0.142	CHCHD6	Body
cg25373438	chr6	170028109	-0.015	0.142	WDR27	Body
cg18755114	chr2	209119030	0.005	0.142	IDH1	5'UTR
cg19291606	chr4	146102083	0.004	0.142	OTUD4;OTUD4;OTUD4	TSS1500;TSS1500;TSS1500
cg04322596	chr10	114910865	-0.005	0.142	TCF7L2;TCF7L2;TCF7L2;TCF7L2;TCF7L2;TCF7L2	Body;Body;Body;Body;Body;Body
cg26809482	chr1	16940026	0.01	0.142	NBPF1	TSS200
cg24061542	chr11	44971593	0.007	0.142	TP53I11;TP53I11	5'UTR;5'UTR
cg13387232	chr4	1387823	-0.012	0.142	CRIPAK;CRIPAK	1stExon;5'UTR
cg06035049	chr4	1512269	-0.018	0.142	-	-
cg00888154	chr4	503399	-0.015	0.142	PIGG;PIGG	Body;Body
cg09191594	chr14	104440623	-0.002	0.142	TDRD9	Body
cg05783135	chr11	78092939	-0.002	0.142	GAB2	Body
cg01736253	chr17	80923777	-0.008	0.142	B3GNTL1	Body
cg17071409	chr4	1343336	-0.006	0.142	KIAA1530	Body
cg01522083	chr16	1400861	-0.011	0.142	C16orf42;GNPTG	Body;TSS1500
cg18817831	chr13	39622616	-0.004	0.142	NHLRC3;NHLRC3	3'UTR;3'UTR
cg26640796	chr16	87733470	-0.004	0.142	LOC100129637	Body
cg10619042	chr17	66202065	0.006	0.142	-	-
cg11905488	chr12	10123604	-0.063	0.142	CLEC12A;CLEC12A	TSS1500;TSS1500
cg17958763	chr7	107599764	-0.008	0.142	LAMB1	Body
cg01729862	chr16	1824041	0.002	0.142	EME2;MRPS34	Body;TSS1500
cg18679782	chr19	10216839	0.004	0.142	SNORD105;PPAN-P2RY11;PPAN	TSS1500;TSS1500;TSS200
cg07127945	chr18	45688278	0.025	0.142	-	-
cg16366739	chr16	16227608	-0.003	0.142	ABCC1;ABCC1;ABCC1;ABCC1;ABCC1	Body;Body;Body;Body;Body
cg02469445	chr13	24553711	0.001	0.142	-	-
cg19001237	chr11	18548595	0.019	0.142	TSG101	TSS200
cg04636251	chr5	124537511	-0.001	0.142	-	-
cg20950011	chr18	12254377	0.009	0.142	CIDEA;CIDEA;CIDEA	TSS1500;1stExon;5'UTR
cg04120839	chr3	122134933	0.008	0.142	WDR5B	TSS200
cg12171159	chr11	72504902	0.009	0.142	STARD10	TSS200
cg21364719	chr18	72919061	-0.007	0.142	ZADH2	Body
cg07207726	chr18	12420136	0.008	0.142	SLMO1;SLMO1	Body;Body
cg26988331	chr7	925778	-0.006	0.142	C7orf20	Body
cg10158850	chr5	1266145	-0.005	0.142	TERT;TERT	Body;Body
cg25478157	chr1	179924306	0.001	0.142	CEP350	5'UTR
cg18593236	chr15	83790129	-0.004	0.142	TM6SF1;TM6SF1	Body;Body
cg01017395	chr1	12609957	-0.002	0.142	-	-
cg15637465	chr5	168728270	0.004	0.142	SLIT3	TSS200
cg17774960	chr8	144676206	-0.004	0.142	EEF1D;EEF1D;EEF1D;EEF1D;EEF1D;EEF1D	5'UTR;5'UTR;5'UTR;5'UTR;5'UTR;5'UTR
cg23011886	chr5	179230002	-0.026	0.142	MGAT4B;MGAT4B	Body;TSS200
cg00774006	chr3	128740906	-0.005	0.142	CCDC48	Body
cg16925499	chr10	118502705	0.007	0.142	HSPA12A	TSS1500
cg07409656	chr13	78272378	0.003	0.142	SLAIN1	TSS200
cg27410700	chr16	89632574	0.009	0.142	-	-
cg07482916	chr17	7757646	-0.006	0.142	KDM6B;TMEM88	3'UTR;TSS1500
cg22151587	chr16	4322750	0.015	0.142	TFAP4;TFAP4	1stExon;5'UTR
cg16921775	chr12	48744097	0.004	0.142	ZNF641	TSS200
cg15959205	chr14	91281552	-0.017	0.142	TTC7B	Body
cg15267318	chr10	134838039	-0.004	0.142	-	-
cg10369509	chr13	23949135	0.011	0.142	SACS	Body
cg10816903	chr2	157257010	0.003	0.142	-	-
cg15908627	chr11	1007420	-0.004	0.142	AP2A2	Body
cg14388466	chr8	118843355	-0.002	0.142	EXT1	Body
cg09381701	chr6	148663829	0.002	0.142	SASH1;SASH1	1stExon;5'UTR
cg24779145	chr19	40030822	0.008	0.142	EID2;EID2	1stExon;5'UTR
cg08449748	chr16	2349846	-0.027	0.142	ABCA3	Body
cg19629292	chr3	62358980	0.005	0.143	FEZF2;FEZF2	5'UTR;1stExon
cg10214757	chr16	22237075	-0.009	0.143	EEF2K	Body
cg01512180	chr17	8339091	0.005	0.143	NDEL1;NDEL1	TSS200;TSS200
cg12377111	chr17	7808829	-0.008	0.143	CHD3;CHD3;CHD3;SCARNA21	Body;Body;Body;TSS1500
cg18426009	chr5	75013471	0.043	0.143	C5orf37	TSS200
cg00877037	chr6	32041333	-0.003	0.143	TNXB	Body
cg05045130	chr10	110672197	0.002	0.143	-	-
cg22374213	chr18	67136976	-0.014	0.143	DOK6	Body
cg21634100	chr18	55254527	-0.006	0.143	FECH;FECH	TSS1500;TSS1500
cg24236870	chr15	42264445	0.016	0.143	EHD4	Body
cg14363981	chr13	107186561	0.011	0.143	EFNB2	Body
cg00045061	chr8	59571437	0.005	0.143	NSMAF;NSMAF	Body;Body
cg24602552	chr1	204654410	0.003	0.143	LRRN2;LRRN2	5'UTR;5'UTR
cg10325398	chr1	45476990	0.008	0.143	HECTD3;UROD;HECTD3	1stExon;TSS1500;5'UTR
cg17896927	chr15	93617030	0.041	0.143	RGMA;RGMA;RGMA;RGMA;RGMA;RGMA	1stExon;Body;5'UTR;TSS200;TSS200;TSS1500;5'UTR
cg21628504	chr6	122273437	-0.005	0.143	-	-
cg25881344	chr12	22778094	0.003	0.143	ETNK1;ETNK1;ETNK1;ETNK1	5'UTR;1stExon;5'UTR;1stExon
cg23349690	chr7	138764813	-0.017	0.143	ZC3HAV1;ZC3HAV1	Body;Body

cg03369247	chr8	20032030 -0.003	0.143	SLC18A1;SLC18A1;SLC18A1;SLC18A1	Body;Body;Body;Body
cg16874579	chr2	60776713 0.002	0.143	BCL11A;BCL11A;BCL11A	Body;Body;Body
cg09058991	chr16	88698872 -0.005	0.143	-	-
cg05899726	chr11	19366793 0.006	0.143	-	-
cg07356342	chr1	161183820 -0.03	0.143	NDUFS2;NDUFS2;FCER1G	3'UTR;Body;TSS1500
cg13274107	chr2	102090371 0.007	0.143	RFX8	5'UTR
cg03217460	chr11	70117060 0.005	0.143	PPF1A1;PPF1A1	5'UTR;5'UTR
cg19269713	chr2	69969370 0.011	0.143	ANXA4	5'UTR
cg07712329	chr11	64490743 0.006	0.143	NRXN2;NRXN2	TSS200;TSS200
cg07476406	chr1	36809704 -0.019	0.143	STK40	Body
cg05694744	chr17	8191820 0.005	0.143	RANGRF;SLC25A35	TSS200;3'UTR
cg00737840	chr11	125036420 0.005	0.143	PKNOX2	5'UTR
cg10484673	chr7	124307584 -0.002	0.143	-	-
cg03013329	chr18	22006989 0.003	0.143	IMPACT	Body
cg05846056	chr1	59762542 0.006	0.143	FGGY;FGGY	TSS200;TSS200
cg24604604	chr1	115213147 0.004	0.143	DENND2C	TSS1500
cg08568447	chr17	7328520 -0.009	0.143	C17orf74	TSS1500
cg03391055	chr1	34628843 0.006	0.143	CSMD2	Body
cg05946827	chr14	36989287 0.008	0.143	NKX2-1;NKX2-1	1stExon;TSS1500
cg01591405	chr17	18024867 -0.003	0.143	MYO15A	Body
cg00915206	chr2	171673199 0.002	0.143	GAD1;GAD1;GAD1;GAD1	5'UTR;1stExon;5'UTR;1stExon
cg25866089	chr15	62532699 0.039	0.143	-	-
cg08571883	chr8	53854425 0.009	0.143	-	-
cg00941797	chr14	81407711 0.002	0.143	-	-
cg05825702	chr19	51069461 0.008	0.143	LRRC4B	5'UTR
cg26719995	chr2	27309153 0.003	0.143	KHK;EMILIN1;KHK	TSS1500;3'UTR;TSS1500
cg16585380	chr16	31711872 0.005	0.143	C16orf67	TSS200
cg03304660	chr7	157586219 -0.005	0.143	PTPRN2;PTPRN2;PTPRN2	Body;Body;Body
cg22114068	chr6	31929398 -0.008	0.143	SKIV2L	Body
cg21406144	chr2	59919051 -0.058	0.143	-	-
cg08420066	chr6	30647561 0.026	0.143	KIAA1949;KIAA1949	Body;Body
cg07139811	chr2	176033051 0.003	0.143	ATF2;MIR933	TSS200;TSS1500
cg21714212	chr6	30647104 0.032	0.143	KIAA1949;KIAA1949	Body;Body
cg27114680	chr11	118799487 0.01	0.143	-	-
cg06934394	chr13	101959848 -0.006	0.143	NALCN	Body
cg05079191	chr7	88425085 -0.003	0.143	ZNF804B;MGC26647	Body;TSS200
cg06867755	chr2	225397387 -0.012	0.143	CUL3	Body
cg01005303	chr1	11985115 -0.014	0.143	KIAA2013	Body
cg05070372	chr16	87027489 -0.007	0.143	-	-
cg10953487	chr6	44529157 0.007	0.143	-	-
cg08939275	chr1	1251322 -0.006	0.143	CPSF3L	Body
cg15458461	chr7	4923615 0.043	0.143	RADIL	TSS1500
cg02376843	chr5	172083710 0.045	0.143	NEURL1B	Body
cg11369206	chr3	69061764 -0.007	0.143	C3orf64	5'UTR
cg06493473	chr6	31696803 0.007	0.143	DDAH2	Body
cg02187259	chr2	16804452 -0.028	0.143	FAM49A	5'UTR
cg25160286	chr7	27282308 0.002	0.143	EVX1;EVX1	1stExon;5'UTR
cg06580220	chr3	137732991 -0.01	0.143	CLDN18;CLDN18	Body;Body
cg03863634	chr16	86553371 0.011	0.143	-	-
cg09781028	chr7	90355905 -0.003	0.143	CDK14	Body
cg15946856	chr13	61753592 -0.009	0.143	-	-
cg21129615	chr3	142607799 0.007	0.143	PCOLCE2;PCOLCE2	5'UTR;1stExon
cg16292972	chr14	76448509 0.007	0.143	TGFB3	TSS1500
cg07129731	chr7	99695537 -0.006	0.143	MCM7;MCM7	Body;Body
cg01736403	chr3	52312682 0.006	0.143	WDR82	TSS200
cg17611193	chr19	35395942 0.02	0.143	-	-
cg06354193	chr1	3183072 -0.005	0.143	PRDM16;PRDM16	Body;Body
cg19301058	chr1	145438404 0.008	0.144	TXNIP	TSS200
cg08539620	chr17	40118030 0.009	0.144	CNP	TSS1500
cg23607253	chr4	128801899 0.003	0.144	PLK4	TSS200
cg03036422	chr11	119549272 -0.005	0.144	PVRL1;PVRL1;PVRL1	Body;Body;Body
cg01609705	chr8	38240669 0.006	0.144	WHSC1L1;WHSC1L1	TSS1500;TSS1500
cg10673984	chr17	58677844 0.003	0.144	PPM1D	1stExon
cg12805346	chr5	645726 -0.006	0.144	CEP72	Body
cg05818854	chr2	71295273 0.011	0.144	NAGK	TSS200
cg01189606	chr3	48471901 -0.048	0.144	PLXNB1;PLXNB1	TSS1500;TSS1500
cg24641737	chr1	111743271 0.007	0.144	DENND2D;DENND2D	1stExon;5'UTR
cg06029061	chr6	35392246 -0.029	0.144	PPARD;PPARD	Body;Body
cg20526435	chr20	60581509 -0.004	0.144	TAF4	Body
cg24185926	chr17	12801246 -0.005	0.144	RICH2	Body
cg22818988	chr3	3168509 0.01	0.144	TRNT1	TSS200
cg02048807	chr14	105444384 0.003	0.144	AHNAK2	Body
cg26184391	chr4	24004643 -0.004	0.144	-	-
cg20392607	chr12	5018798 0.002	0.144	KCNA1	TSS1500
cg23683703	chr21	44313859 0.004	0.144	NDUUF3;NDUUF3	Body;Body
cg10916865	chr7	158497561 0.007	0.144	NCAPG2	TSS200
cg00732591	chr13	113773011 -0.019	0.144	F7;F7	Body;Body
cg05384347	chr17	80038377 -0.011	0.144	FASN	Body
cg16303918	chr2	219848528 0.007	0.144	FEV	Body
cg18629583	chr8	104507673 -0.012	0.144	-	-
cg18193148	chr3	71686895 -0.01	0.144	-	-
cg17556421	chr12	130908778 -0.021	0.144	RIMBP2	Body
cg16643706	chr5	111289503 -0.003	0.144	CSorf13;CSorf13	Body;Body
cg27078927	chr16	88964528 -0.004	0.144	CBFA2T3;CBFA2T3	Body;Body
cg14209299	chr2	107502793 0.009	0.144	ST6GAL2;ST6GAL2;ST6GAL2	TSS200;5'UTR;5'UTR
cg18375494	chr11	134146324 0.003	0.144	GLB1L3;GLB1L3	5'UTR;1stExon
cg22035320	chr15	42170125 -0.007	0.144	SPTBN5	Body
cg06412252	chr12	69979187 0.005	0.144	CCT2	TSS200
cg23398487	chr13	107408915 -0.01	0.144	-	-
cg02546072	chr22	39898416 0.004	0.144	SMCR7L;SMCR7L	5'UTR;1stExon
cg00906420	chr3	78917133 -0.005	0.144	ROBO1;ROBO1;ROBO1;ROBO1	Body;Body;Body;Body
cg16574065	chr17	34257726 0.006	0.144	RDM1;RDM1;RDM1;RDM1;RDM1;RDM1	TSS1500;Body;1stExon;Body;1stExon;TSS1500;TSS1500;1stExon;TSS1500;1stExon;TSS1500
cg17389048	chr5	110848641 -0.012	0.144	STARD4	TSS1500
cg11392765	chr4	13546673 0.005	0.144	NKX3-2	TSS1500
cg06442192	chr19	48059856 -0.003	0.144	ZNF541	TSS1500
cg09670925	chr11	115255010 -0.005	0.144	CADM1;CADM1	Body;Body
cg25376875	chr2	9459453 -0.004	0.144	ASAP2;ASAP2	Body;Body
cg25044817	chr2	24233259 0.013	0.144	MFSO2B	Body
cg05999828	chr3	41620569 -0.003	0.144	ULK4	Body
cg25070637	chr8	97505868 0.005	0.144	SDC2	TSS200
cg16313587	chr8	37707285 0.004	0.144	BRF2	1stExon
cg12461345	chr1	218519565 0.004	0.144	TGFB2;TGFB2;TGFB2;TGFB2	1stExon;5'UTR;1stExon;5'UTR
cg19602773	chr3	52007747 0.02	0.144	ABHD14B;ABHD14B;ABHD14A;ABHD14B	Body;5'UTR;TSS1500;5'UTR
cg03804136	chr17	75369219 0.006	0.144	SEPT9;SEPT9;SEPT9;SEPT9	TSS200;5'UTR;Body;Body

cg08394896	chr7	5525075 -0.063	0.144	FBXL18	Body
cg21964596	chr2	27147583 -0.003	0.144	DPYSL5	Body
cg04439077	chr6	55008889 -0.007	0.144	-	-
cg24901811	chr11	2240612 -0.004	0.144	-	-
cg06933899	chr22	39917192 0.004	0.144	ATF4;ATF4;ATF4	5'UTR;5'UTR;1stExon
cg00011460	chr4	40439822 -0.006	0.144	RBM47;RBM47	Body;Body
cg22361914	chr2	55747651 0.007	0.144	CCDC104	Body
cg19412964	chr7	151328093 -0.054	0.144	PRKAG2;PRKAG2;PRKAG2	Body;Body;Body
cg02634421	chr16	3767934 0.008	0.144	TRAP1	TSS1500
cg01714172	chr16	89225922 -0.01	0.144	C16orf81	Body
cg22789298	chr6	1608977 0.006	0.144	-	-
cg22152688	chr7	97840113 0.013	0.144	BHLHA15	TSS1500
cg25185405	chr1	52831855 0.008	0.144	CC2D1B;CC2D1B	5'UTR;1stExon
cg17115258	chr15	102192853 0.015	0.144	TM2D3;TM2D3	TSS1500;TSS1500
cg18680021	chr14	94492759 0.01	0.144	OTUB2;OTUB2	1stExon;5'UTR
cg00340850	chr20	55500523 0.008	0.144	-	-
cg01033209	chr14	90531016 -0.008	0.144	KCNK13	Body
cg18083863	chr14	23772111 0.007	0.144	PPP1R3E	TSS200
cg03884860	chr18	76397484 -0.009	0.144	-	-
cg23861668	chr11	20691126 0.002	0.144	NELL1;NELL1;NELL1;NELL1	5'UTR;5'UTR;1stExon;1stExon
cg04251571	chr10	35416385 0.011	0.144	CREM;CREM;CREM;CREM;CREM	5'UTR;5'UTR;5'UTR;TSS200;5'UTR;TSS200
cg07597763	chr11	59382877 0.008	0.144	OSBP	1stExon
cg01395080	chr19	18941756 -0.005	0.144	UPF1	TSS1500
cg11972564	chr11	44846667 -0.012	0.144	TSPAN18	5'UTR
cg10184376	chr15	52312199 0.004	0.144	MAPK6	5'UTR
cg15590113	chr1	17442980 -0.003	0.144	PADI2	Body
cg23297891	chr8	103754172 -0.003	0.144	-	-
cg00964908	chr17	40811580 0.007	0.144	TUBG2	Body
cg27284088	chr4	84031130 0.014	0.144	PLAC8;PLAC8;PLAC8	5'UTR;TSS200;5'UTR
cg05304177	chr3	134083080 0.007	0.144	AMOTL2	Body
cg03916014	chr16	1722352 -0.003	0.144	CRAMP1L	Body
cg10724529	chr6	169559014 -0.003	0.144	-	-
cg24699433	chr17	7120249 0.009	0.144	EIF5A;EIF5A;EIF5A;EIF5A	TSS1500;TSS1500;TSS1500;TSS200
cg08703324	chr15	43785408 0.006	0.144	TP53BP1;TP53BP1;TP53BP1	TSS200;TSS200;5'UTR
cg22377486	chr17	41984018 0.003	0.144	MPP2	5'UTR
cg01661001	chr20	44439932 -0.002	0.144	UBE2C;UBE2C;DNTTIP1;UBE2C;UBE2C;UI	TSS1500;TSS1500;3'UTR;TSS1500;TSS1500;TSS1500
cg01595640	chr4	185938253 0.006	0.144	-	-
cg26357344	chr12	53300293 -0.007	0.144	KRT8	TSS1500
cg09733706	chr4	89648349 -0.005	0.144	FAM13AOS;FAM13A;FAM13A	Body;3'UTR;3'UTR
cg24121557	chr6	33177819 -0.003	0.144	RING1	Body
cg10202714	chr16	89183678 -0.005	0.144	ACSF3;ACSF3;ACSF3	Body;Body;Body
cg24483576	chr17	37792770 -0.035	0.144	STARD3;PPP1R1B;PPP1R1B;STARD3;STAI	TSS1500;3'UTR;3'UTR;TSS1500;TSS1500
cg22880820	chr9	35665522 0.013	0.144	C9orf100	TSS1500
cg07459525	chr8	22409131 0.01	0.144	SORBS3	TSS200
cg05890620	chr19	10397612 0.002	0.144	ICAM4;ICAM4;ICAM4	TSS200;TSS200;TSS200
cg14326671	chr8	77585318 0.015	0.144	LOC100192378	Body
cg05618880	chr22	39954239 0.011	0.144	-	-
cg03744954	chr7	23637556 0.005	0.144	CCDC126	5'UTR
cg00663376	chr3	196691791 -0.004	0.144	PIGZ	5'UTR
cg14488952	chr6	17394312 0.001	0.144	CAP2	5'UTR
cg23260190	chr10	101419318 0.014	0.144	ENTPD7;ENTPD7	1stExon;5'UTR
cg03717979	chr4	4862184 0.007	0.144	MSX1	Body
cg20116569	chr3	11313900 0.005	0.144	ATG7;ATG7;ATG7	TSS200;TSS200;TSS200
cg09938634	chr8	22987034 -0.017	0.144	-	-
cg06887542	chr12	48357506 0.013	0.144	TMEM106C;TMEM106C;TMEM106C;TM	5'UTR;5'UTR;5'UTR;5'UTR
cg05032059	chr2	19774488 0.01	0.144	-	-
cg06843631	chr20	18039669 0.008	0.144	OVOL2	TSS1500
cg00021945	chr19	52430920 0.005	0.144	ZNF613;ZNF613	5'UTR;5'UTR
cg17078815	chr15	75198640 0.007	0.144	C15orf17	Body
cg13904877	chr10	135278130 -0.003	0.144	LOC619207	Body
cg03005191	chr11	12124419 -0.003	0.144	-	-
cg24844211	chr5	59784544 -0.002	0.144	PART1;PART1;PDE4D;PART1	Body;Body;TSS1500;Body
cg20544216	chr10	128190000 -0.002	0.144	C10orf90	Body
cg20975682	chr12	50019676 -0.016	0.144	PRPF40B	5'UTR
cg10308682	chr20	5931622 0.006	0.144	MCM8;MCM8;MCM8;MCM8;TRMT6	5'UTR;1stExon;5'UTR;1stExon;TSS1500
cg02099053	chr1	110880516 0.005	0.144	RBM15	TSS1500
cg16812753	chr10	103052460 0.005	0.144	-	-
cg11034318	chr7	150097654 -0.004	0.144	-	-
cg08605641	chr8	96146723 0.004	0.144	PLEKHF2	5'UTR
cg10459515	chr6	136611098 0.005	0.144	BCLAF1;BCLAF1;BCLAF1	TSS200;TSS200;TSS200
cg11232868	chr3	12495801 -0.003	0.144	-	-
cg01231009	chr8	130641185 -0.001	0.144	-	-
cg22649068	chr1	150552352 0.005	0.144	MCL1;MCL1	TSS1500;TSS1500
cg13755614	chr9	131710194 0.024	0.144	DOLK;NUP188	TSS200;Body
cg27238903	chr16	471071 -0.005	0.144	-	-
cg01410878	chr17	32908285 0.005	0.144	TMEM132E	Body
cg13638849	chr17	77216389 0.004	0.144	HRNBP3	5'UTR
cg01186777	chr19	6531016 0.003	0.144	TNFSF9;TNFSF9	5'UTR;1stExon
cg00037952	chr10	104535276 -0.007	0.144	C10orf26;C10orf26	TSS1500;Body
cg17218628	chr3	169385983 0.005	0.144	-	-
cg08629895	chr17	41787856 -0.005	0.144	-	-
cg24222435	chr13	21347840 0.006	0.144	N6AMT2	5'UTR
cg13612106	chr2	203776860 0.003	0.144	ALS2CR8;ALS2CR8;WDR12;WDR12	TSS1500;TSS200;1stExon;5'UTR
cg10877294	chr3	183904410 0.004	0.144	ABCF3	Body
cg02250044	chr14	54976234 0.005	0.144	CGRF1	TSS1500
cg06942370	chr9	139137805 0.004	0.144	QSOX2	TSS200
cg10522125	chr16	30483996 0.005	0.144	ITGAL;ITGAL;ITGAL;ITGAL	5'UTR;1stExon;1stExon;5'UTR
cg11258043	chr6	73972820 0.015	0.144	KHDC1;KHDC1	1stExon;5'UTR
cg26509870	chr8	22076166 -0.003	0.144	-	-
cg23901063	chr10	62704070 0.004	0.144	RHOBTB1;RHOBTB1;RHOBTB1;RHOBTB1	Body;TSS200;Body;TSS200
cg03319695	chr18	59156627 -0.005	0.144	CDH20	TSS1500
cg16681104	chr6	159550158 -0.006	0.144	-	-
cg07397399	chr3	66025220 0.006	0.144	MAG1;MAG1;MAG1	TSS1500;TSS1500;TSS1500
cg12748258	chr8	21988173 0.013	0.144	HR;HR;HR;HR	1stExon;5'UTR;1stExon;5'UTR
cg06225294	chr3	114477961 -0.009	0.144	ZBTB20;ZBTB20;ZBTB20;ZBTB20;ZBTB20	5'UTR;1stExon;5'UTR;5'UTR;1stExon
cg27590591	chr5	137368964 0.034	0.144	FAM13B;FAM13B;FAM13B	TSS200;TSS200;TSS200
cg08900426	chr11	75132468 -0.009	0.144	-	-
cg21943842	chr3	48955818 0.004	0.144	ARIH2;C3orf71	TSS1500;1stExon
cg24536163	chr18	61264371 -0.011	0.144	SERPINB13	Body
cg14543966	chr9	123537218 -0.012	0.144	FBXW2	Body
cg19058585	chr2	112944983 -0.007	0.144	FBLN7;FBLN7	Body;Body
cg21490755	chr8	66754279 0.004	0.144	PDE7A	TSS1500
cg09616692	chr16	67709432 -0.007	0.144	GFOD2;GFOD2	Body;Body
cg10598428	chr7	134001208 0.005	0.144	SLC35B4	Body

cg10398774	chr3	194117685	0.005	0.144	GP5	Body
cg19107055	chr7	50560686	-0.005	0.144	DDC;DDC	Body;Body
cg23953174	chr19	45908324	0.004	0.144	CD3EAP;PPP1R13L;PPP1R13L	TSS1500;5'UTR;TSS200
cg13543286	chr9	35738146	-0.003	0.144	GBA2	Body
cg12809766	chr2	1311855	-0.013	0.144	SNTG2	Body
cg09955683	chr13	31774536	0.006	0.144	B3GALTL	Body
cg22302985	chr13	108520945	0.007	0.144	FAM155A	TSS1500
cg13995568	chr6	119774243	0.011	0.144	-	-
cg00203456	chr6	28092370	0.004	0.144	ZSCAN16	TSS200
cg07560520	chr10	23384869	0.004	0.144	MSRB2	Body
cg06300141	chr3	32612708	0.025	0.144	DYNC1L11	TSS1500
cg10612617	chr11	75914370	-0.012	0.144	WNT11	Body
cg08190979	chr10	134145188	0.004	0.144	LRRC27;LRRC27;LRRC27	TSS1500;TSS1500;TSS1500;TSS1500
cg02925872	chr6	30010005	-0.011	0.144	NCRNA00171	Body
cg07886712	chr22	29665413	0.023	0.144	EWSR1;EWSR1;EWSR1;EWSR1;RHBDD3;	Body;Body;Body;Body;TSS1500;Body
cg04977088	chr10	128233767	-0.035	0.144	-	-
cg06711176	chr1	44440709	0.009	0.144	ATP6V0B;ATP6V0B;ATP6V0B;ATP6V0B	5'UTR;5'UTR;1stExon;1stExon
cg09437692	chr7	101842731	-0.009	0.144	CUX1;CUX1;CUX1	Body;Body;Body
cg02260386	chr2	37311527	0.006	0.144	HEATR5B;CCDC75	TSS200;TSS200
cg10126234	chr14	104195533	-0.005	0.144	ZFYVE21	Body
cg13565157	chr12	54943009	0.022	0.144	PDE1B	TSS200
cg00404177	chr1	51425685	0.016	0.144	FAF1;FAF1	1stExon;5'UTR
cg22949458	chr10	97667581	0.01	0.144	C10orf131	TSS200
cg08151292	chr20	3758189	0.004	0.144	SPEF1	3'UTR
cg21767952	chr2	220379260	0.012	0.144	ACCN4;ACCN4	1stExon;1stExon
cg25338577	chr2	201391149	0.008	0.144	SGOL2;SGOL2;SGOL2	5'UTR;5'UTR;5'UTR
cg07556911	chr7	2044787	-0.011	0.144	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg06780358	chr11	48003065	0.003	0.144	PTPRJ;PTPRJ	Body;Body
cg21341435	chr7	157638259	-0.002	0.144	PTPRN2;PTPRN2;PTPRN2	Body;Body;Body
cg20807948	chr2	191540713	-0.003	0.144	NAB1	Body
cg05012239	chr3	195447691	-0.065	0.144	MUC20	TSS200
cg16949889	chr5	140053460	-0.005	0.144	DND1	TSS1500
cg10276227	chr19	33685817	0.005	0.144	LRP3	Body
cg14398963	chr11	2397538	-0.005	0.144	CD81	TSS1500
cg08437995	chr7	156762476	-0.006	0.144	NOM1	3'UTR
cg19069039	chr12	52238665	-0.009	0.144	-	-
cg04658615	chr6	53181709	-0.005	0.144	ELOVL5	5'UTR
cg13612253	chr10	134984386	-0.005	0.144	KNDC1	Body
cg03265969	chr7	54617631	-0.006	0.144	VSTM2A	Body
cg21122439	chr4	183243976	-0.007	0.144	ODZ3	TSS1500
cg07479030	chr13	113496719	-0.007	0.144	ATP11A;ATP11A	Body;Body
cg22353818	chr14	104095074	0.004	0.144	KLC1;KLC1;KLC1	TSS1500;TSS1500;TSS1500
cg04691540	chr1	179198414	0.01	0.144	ABL2;ABL2;ABL2;ABL2;ABL2	1stExon;1stExon;1stExon;1stExon;1stExon
cg15534855	chr18	37421828	0.004	0.144	-	-
cg10954765	chr4	3412750	-0.006	0.144	RGS12;RGS12;RGS12	Body;Body;Body
cg11935143	chr7	38389659	0.003	0.144	-	-
cg24899205	chr22	19929184	0.003	0.144	TXNRD2;COMT	Body;TSS200
cg00144161	chr6	31927018	0.013	0.144	SKIV2L;RDBP	Body;TSS200
cg01628954	chr18	60190696	0.009	0.144	ZCCHC2	1stExon
cg11112419	chr7	21985628	0.004	0.144	CDCA71;CDCA71;CDCA71	TSS200;TSS200;TSS200
cg00397740	chr1	161136321	0.005	0.144	PPOX;PPOX;PPOX;PPOX	1stExon;1stExon;5'UTR;5'UTR
cg00266389	chr11	2867748	-0.005	0.144	KCNQ1;KCNQ1	Body;Body
cg09450367	chr2	11294738	0.003	0.144	PQLC3	TSS1500
cg09382002	chr7	6590564	-0.004	0.144	GRID2IP	Body
cg06363034	chr20	62225388	-0.009	0.144	GMEB2	Body
cg05516012	chr11	73019501	0.004	0.144	ARHGEF17	TSS200
cg07173283	chr6	32975590	-0.013	0.144	HLA-DOA	Body
cg14649095	chr9	139150313	-0.004	0.144	-	-
cg12425180	chr1	40033305	-0.002	0.144	PABPC4;PABPC4;PABPC4;SNORA55	Body;Body;Body;TSS200
cg20872461	chr3	186524196	0.009	0.144	RFC4;RFC4;RFC4	5'UTR;1stExon;5'UTR
cg04939219	chr14	105060221	-0.014	0.144	-	-
cg04774374	chr7	128379134	0.019	0.144	CALU;CALU	TSS1500;TSS1500
cg12477716	chr17	47073436	0.007	0.144	IGF2BP1;IGF2BP1	TSS1500;TSS1500
cg04328701	chr17	40761179	0.008	0.144	FAM134C;FAM134C;TUBG1	1stExon;Body;TSS200
cg17446654	chr11	111848164	0.006	0.144	DIXDC1;DIXDC1;DIXDC1	1stExon;5'UTR;Body
cg13650689	chr19	54618596	0.004	0.144	PRPF31;TFPT	TSS200;Body
cg21656726	chr20	37434262	0.007	0.144	PPP1R16B	TSS200
cg26886855	chr8	10694831	-0.009	0.144	PINX1	Body
cg07874329	chr7	150942352	0.005	0.144	SMARCD3;SMARCD3;SMARCD3	Body;Body;Body
cg12755103	chr1	1078519	-0.004	0.144	-	-
cg13921204	chr10	12171454	0.008	0.144	SEC61A2;SEC61A2;SEC61A2;SEC61A2;SEC61A2	TSS200;TSS200;TSS200;TSS200;TSS200
cg10246450	chr16	72970503	-0.024	0.144	ZFH3;ZFH3	Body;Body
cg09945376	chr22	19129226	-0.003	0.144	DGCR14	Body
cg22699500	chr12	10366566	0.003	0.144	GABARAPL1	Body
cg13842237	chr21	47064079	0.008	0.144	-	-
cg02202305	chr1	156405368	0.021	0.144	-	-
cg23618156	chr2	86255217	-0.037	0.144	POLR1A	Body
cg01179696	chr3	183993341	0.064	0.144	ECE2;ECE2;ECE2;ECE2	Body;TSS1500;TSS1500;TSS1500
cg01856450	chr7	134855405	0.005	0.144	C7orf49;C7orf49;C7orf49;C7orf49	1stExon;Body;Body;5'UTR
cg08457620	chr17	1900131	-0.007	0.144	RTN4RL1	Body
cg24657503	chr11	63687154	0.021	0.144	-	-
cg19993723	chr4	144434579	0.005	0.144	SMARCA5	TSS200
cg14534739	chr6	33179049	-0.005	0.144	RING1	Body
cg04523268	chr9	139606583	0.003	0.144	FAM69B	TSS1500
cg09562938	chr17	62307787	-0.006	0.144	TEX2	5'UTR
cg03182113	chr19	50706874	0.011	0.144	MYH14;MYH14;MYH14	TSS200;TSS200;TSS200
cg23871697	chr7	4801993	-0.007	0.144	FOXX1	Body
cg07893738	chr4	171150432	-0.003	0.144	-	-
cg12751565	chr1	207119987	-0.003	0.144	PIGR	TSS200
cg26888222	chr2	119991327	-0.002	0.144	STEAP3;STEAP3;STEAP3	Body;5'UTR;5'UTR
cg08202743	chr11	34182570	-0.01	0.144	ABTB2	Body
cg06526420	chr16	88895490	-0.008	0.144	GALNS	Body
cg04597985	chr4	138114706	-0.012	0.144	-	-
cg04304494	chr1	38325802	0.003	0.144	MTF1	TSS1500
cg20008846	chr8	144521520	-0.013	0.144	ZC3H3	Body
cg23138682	chr14	103801128	0.013	0.144	EIF5;EIF5	TSS200;5'UTR
cg04372973	chr2	86787048	-0.003	0.144	VPS24;VPS24	5'UTR;Body
cg24662576	chr3	8532787	-0.002	0.144	-	-
cg20364050	chr20	825240	0.003	0.144	FAM110A;FAM110A;FAM110A	TSS200;5'UTR;5'UTR
cg18841691	chr6	30181645	0.004	0.144	TRIM26	TSS1500
cg06861209	chr16	231149	0.004	0.144	HBQ1	3'UTR
cg10406696	chr16	49672617	-0.008	0.144	ZNF423	Body
cg21071989	chr15	31508272	0.007	0.144	-	-
cg00873473	chr16	734532	0.004	0.144	JMJD8	TSS200

cg13721588	chr9	35605000	0.02	0.144	TESK1	TSS1500
cg22390433	chr1	185014530	0.019	0.144	RNF2	TSS200
cg23400002	chr11	75917724	0.016	0.144	WNT11	TSS200
cg02716833	chr12	48741770	-0.004	0.144	ZNF641	Body
cg15751406	chr19	8934543	-0.002	0.144	ZNF558	TSS1500
cg22648885	chr8	99957472	0.003	0.144	OSR2;OSR2	5'UTR;5'UTR
cg20526654	chr3	72495865	0.005	0.144	RYBP	TSS200
cg22906273	chr20	21686253	0.007	0.144	PAX1	TSS200
cg26207568	chr5	14173773	-0.028	0.144	TRIO	Body
cg26890101	chr2	70485637	0.007	0.144	PCYOX1	Body
cg14282180	chr2	47630433	0.005	0.144	MSH2	1stExon
cg15368845	chr6	2948641	-0.009	0.144	SERPINB6	Body
cg07843390	chr19	2541015	-0.002	0.144	GNG7	5'UTR
cg24705286	chr16	27215306	0.021	0.144	JMJD5;JMJD5;JMJD5	1stExon;5'UTR;5'UTR
cg03438090	chr2	239143093	0.004	0.144	-	-
cg27545296	chr1	116376908	-0.004	0.144	-	-
cg09455182	chr3	52567604	0.007	0.144	NTSDC2;NTSDC2	Body;1stExon
cg06985259	chr1	22471831	-0.004	0.144	-	-
cg14185670	chr18	56806716	0.007	0.144	SEC11C	TSS1500
cg04960880	chr6	29577006	-0.011	0.144	GABBR1;GABBR1;GABBR1	Body;Body;Body
cg03455458	chr1	213124545	0.01	0.144	VASH2;VASH2;VASH2	5'UTR;5'UTR;5'UTR
cg09143316	chr10	10751942	-0.004	0.144	-	-
cg23093217	chr2	16808263	-0.035	0.144	FAM49A	5'UTR
cg27126429	chr12	102271188	0.004	0.144	DRAM1;DRAM1	1stExon;5'UTR
cg27051937	chr6	33419580	-0.004	0.144	SYNGAP1	Body
cg10083236	chr2	33824519	0.003	0.144	FAM98A	TSS200
cg10920427	chr6	111303363	0.004	0.144	RPF2	Body
cg06057045	chr2	233562093	0.013	0.144	GIGYF2;GIGYF2;GIGYF2;GIGYF2;GIGYF2;	(1stExon;5'UTR;1stExon;1stExon;5'UTR;5'UTR;5'UTR
cg13773948	chr10	43277913	0.004	0.144	BMS1	TSS200
cg24766002	chr17	79829883	0.006	0.144	ARHGDI	TSS1500
cg26099018	chr4	165954480	-0.004	0.144	TRIM60	5'UTR
cg011324372	chr22	42679577	0.005	0.144	-	-
cg26379859	chr11	58672888	0.002	0.144	-	-
cg02955377	chr7	150434640	0.016	0.144	GIMAP5;GIMAP5	1stExon;5'UTR
cg11570082	chr7	116899446	-0.004	0.144	-	-
cg20671068	chr22	20748810	0.013	0.144	ZNF74;ZNF74;ZNF74	5'UTR;1stExon;Body
cg23815775	chr1	17820936	0.009	0.144	-	-
cg21231189	chr7	158378118	-0.003	0.144	PTPRN2;PTPRN2;PTPRN2	Body;Body;Body
cg06683458	chr17	26233622	-0.005	0.144	-	-
cg23886515	chr2	10561359	-0.011	0.144	HPCAL1;HPCAL1	Body;Body
cg12944197	chr2	168149991	0.005	0.144	-	-
cg11827182	chr1	45309155	0.007	0.144	PTCH2;PTCH2	TSS1500;TSS1500
cg02008154	chr7	35293537	0.009	0.144	TBX20;TBX20;TBX20;TBX20	1stExon;5'UTR;1stExon;5'UTR
cg05836951	chr8	77594834	0.007	0.144	ZFHx4;LOC100192378	5'UTR;Body
cg10632266	chr1	167691116	0.012	0.144	MPZL1;MPZL1;MPZL1	TSS200;TSS200;TSS200
cg27503970	chr2	99953877	0.005	0.144	E1F5B;TXNDC9;E1F5B	1stExon;TSS1500;5'UTR
cg12024304	chr15	43623077	0.004	0.144	LCMT2;ADAL;ADAL	TSS200;5'UTR;5'UTR
cg09360253	chr12	57566360	-0.004	0.144	LRP1	Body
cg05848485	chr14	69618217	0.009	0.144	DCAF5	Body
cg23677243	chr15	37387525	0.012	0.144	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;	Body;Body;Body;Body;Body;Body
cg23889010	chr20	43882990	-0.051	0.144	SLPI	Body
cg20327258	chr1	86174240	0.006	0.144	ZNHIT6;ZNHIT6	TSS200;TSS200
cg14079785	chr8	22018896	-0.011	0.144	SFTPC	TSS1500
cg13845149	chr1	115829546	-0.003	0.145	NGF	5'UTR
cg17963944	chr7	100303258	0.005	0.145	POP7	TSS1500
cg23625466	chr7	65543242	-0.013	0.145	ASL;ASL;ASL;ASL	Body;Body;Body;Body
cg03665259	chr6	31021826	0.008	0.145	HCG22	TSS200
cg00214165	chr5	7869652	0.006	0.145	MTRR;FASTKD3;MTRR	Body;TSS1500;5'UTR
cg15715507	chr5	140053663	-0.003	0.145	DND1;HARS	TSS1500;3'UTR
cg15590712	chr19	12779935	0.007	0.145	MORG1;MORG1;C19orf56;MORG1	TSS1500;5'UTR;Body;Body
cg03623403	chr13	99229638	0.005	0.145	STK24	TSS1500
cg21210224	chr15	65186306	0.004	0.145	-	-
cg02344943	chr5	49737236	0.014	0.145	EMB	TSS200
cg25302888	chr7	150779154	-0.003	0.145	FASTK;TMUB1;TMUB1;FASTK	TSS1500;Body;Body;TSS1500
cg05944623	chr19	54619057	0.002	0.145	PRPF31;TFPT;PRPF31	5'UTR;TSS200;1stExon
cg14230542	chr1	110577941	0.01	0.145	FAM40A	Body
cg27659841	chr2	192109995	0.003	0.145	MYO1B;MYO1B;MYO1B	TSS200;TSS1500;TSS200
cg21190306	chr6	31864077	-0.01	0.145	EHMT2;EHMT2	Body;Body
cg11299878	chr19	36266369	0.005	0.145	SNX26	TSS200
cg25224543	chr5	52405696	0.006	0.145	MOCS2;MOCS2	TSS200;TSS1500
cg16700673	chr5	131630136	0.005	0.145	SLC22A4	TSS200
cg00587890	chr1	6207252	-0.016	0.145	CHD5	Body
cg24524308	chr3	186857389	0.011	0.145	RPL39L	TSS200
cg11958666	chr8	5019242	-0.003	0.145	-	-
cg20804163	chr1	168260675	-0.004	0.145	TBX19	Body
cg02252918	chr12	124458442	0.008	0.145	ZNF664;ZNF664;CCDC92	1stExon;5'UTR;TSS1500
cg09354381	chr3	14851841	0.009	0.145	-	-
cg09839204	chr10	47049879	-0.004	0.145	-	-
cg21574316	chr11	75062600	0.005	0.145	ARRB1;ARRB1	Body;Body
cg03052789	chr3	50603449	-0.004	0.145	C3orf18	5'UTR
cg18100827	chr3	119013497	0.01	0.145	CDGAP;CDGAP	1stExon;5'UTR
cg12043019	chr22	50356277	0.019	0.145	PIM3	Body
cg12668403	chr5	173072294	-0.006	0.145	-	-
cg17854544	chr5	141344968	-0.003	0.145	RNF14	TSS1500
cg10530104	chr17	1958022	0.005	0.145	HIC1	TSS1500
cg19792268	chr12	29936125	0.006	0.145	TMTC1	5'UTR
cg02344373	chr12	133201348	-0.008	0.145	POLE	Body
cg19188595	chr10	45496482	0.004	0.145	C10orf25;ZNF22	TSS200;5'UTR
cg10981009	chr14	62279702	0.011	0.145	-	-
cg17131030	chr1	115632576	0.007	0.145	TSPAN2	TSS1500
cg27509510	chr2	26200001	-0.002	0.145	KIF3C	Body
cg25195968	chr8	37470166	-0.004	0.145	-	-
cg01994599	chr6	56911255	0.005	0.145	KIAA1586	TSS200
cg13065504	chr15	42448234	-0.022	0.145	PLA2G4F;PLA2G4F	Body;Body
cg22054191	chr19	42637630	0.008	0.145	POU2F2	TSS1500
cg11625977	chr17	26988935	0.008	0.145	SDF2;SDF2	TSS200;TSS1500
cg10185775	chr16	66981693	0.004	0.145	-	-
cg11931727	chr2	58655790	0.004	0.145	-	-
cg19015997	chr7	12611607	-0.008	0.145	SCIN	Body
cg01469549	chr7	157129690	0.007	0.145	DNAJB6;DNAJB6	TSS200;TSS200
cg21499391	chr17	29233515	0.007	0.145	C17orf42	TSS1500
cg07049680	chr1	226112373	0.007	0.145	PYCR2	TSS1500
cg11391732	chr5	53751919	-0.002	0.145	HSPB3	1stExon
cg02951059	chr19	58193269	0.004	0.145	ZNF551	TSS200

cg19860121	chr10	79389524 -0.005	0.145	KCNMA1;KCNMA1;KCNMA1;KCNMA1	Body;Body;Body;Body
cg18505879	chr18	60382658 0.006	0.145	PHLPP1	TSS200
cg24304848	chr11	44764716 -0.037	0.145	-	-
cg02708813	chr8	144911462 0.008	0.145	PUF60;PUF60;PUF60	1stExon;1stExon;TSS1500
cg16984834	chr19	1446962 0.006	0.145	-	-
cg01320908	chr6	33139810 -0.009	0.145	COL11A2;COL11A2;COL11A2	Body;Body;Body
cg21030970	chr17	45798741 0.014	0.145	-	-
cg15622556	chr1	12251820 -0.013	0.145	TNFRSF1B	Body
cg06708213	chr17	74864041 -0.032	0.145	MGAT5B	TSS1500
cg03986968	chr15	34330894 0.007	0.145	AVEN;CHRM5	Body;5'UTR
cg00209206	chr16	1574816 -0.007	0.145	IFT140	Body
cg22899100	chr10	23462237 0.004	0.145	-	-
cg15520477	chr19	34012957 0.002	0.145	PEPD;PEPD;PEPD	TSS200;TSS200;TSS200
cg11190434	chr5	172106450 -0.005	0.145	NEURL1B	Body
cg18824775	chr5	176731107 0.004	0.145	PRELID1;RAB24;RAB24	Body;TSS1500;TSS1500
cg05536800	chr4	174451460 0.002	0.145	HAND2;NBLA00301	TSS200;TSS200
cg24125282	chr17	11395707 -0.002	0.145	SHISA6	Body
cg18140917	chr1	29185674 -0.007	0.145	OPRD1	Body
cg06272495	chr22	17652825 0.007	0.145	-	-
cg06963451	chr16	56763729 0.008	0.145	NUP93	TSS1500
cg09293925	chr16	89471650 -0.004	0.145	ANKRD11	5'UTR
cg01266287	chr16	66959833 -0.029	0.145	RRAD;RRAD	TSS1500;TSS1500
cg19643390	chr17	48712205 0.015	0.145	ABCC3;ABCC3	TSS200;TSS200
cg00576640	chr7	150875442 -0.004	0.145	ASB10;ASB10;ASB10	Body;Body;Body
cg06039318	chr8	1248861 -0.003	0.145	-	-
cg12781834	chr17	40169085 0.008	0.145	DNAJC7;NKIRAS2;DNAJC7;DNAJC7;DNAJ	1stExon;TSS1500;Body;Body;5'UTR
cg16910293	chr8	140746578 -0.002	0.145	TRAPP9;TRAPP9	Body;Body
cg02767841	chr20	45986173 0.007	0.145	ZMYND8;ZMYND8;ZMYND8	TSS1500;TSS1500;TSS1500
cg08119434	chr2	205036349 -0.001	0.145	-	-
cg09488352	chr6	53950838 -0.002	0.145	C6orf142	Body
cg02735652	chr1	32226179 0.005	0.145	BAI2	5'UTR
cg00179423	chr8	145653749 0.01	0.145	VPS28;VPS28	5'UTR;5'UTR
cg14523259	chr9	34667179 -0.008	0.145	-	-
cg03949978	chr8	145747140 -0.02	0.145	LRRC14	3'UTR
cg02781704	chr3	194033517 0.01	0.145	-	-
cg23129374	chr20	6748712 0.005	0.146	BMP2	TSS200
cg20269160	chr14	101428040 -0.013	0.146	SNORD114-7	TSS1500
cg07028241	chr6	32134378 -0.01	0.146	EGFL8	Body
cg01087880	chr3	9975336 0.006	0.146	CRELD1;CRELD1;CRELD1	TSS200;TSS200;TSS200
cg10546048	chr5	139126174 0.012	0.146	-	-
cg18368019	chr17	43972978 0.005	0.146	MAPT;MAPT;MAPT;LOC100128977;MAP	5'UTR;5'UTR;5'UTR;TSS200;5'UTR;5'UTR;TSS200;5'UTR
cg14308479	chr11	2292677 0.003	0.146	ASCL2	TSS1500
cg12606396	chr13	58204379 0.016	0.146	PCDH17	TSS1500
cg05063514	chr1	172413094 0.004	0.146	C1orf105;PIGC;PIGC	Body;5'UTR;5'UTR
cg07403338	chr6	80579537 0.007	0.146	-	-
cg18057185	chr3	48342999 0.005	0.146	NME6	TSS200
cg02980033	chr17	40985258 0.015	0.146	PSME3;PSME3	TSS200;TSS200
cg23415916	chr5	14178469 -0.004	0.146	TRIO	Body
cg08456993	chr12	52239006 -0.004	0.146	-	-
cg23406352	chr17	747018 -0.015	0.146	NXN	Body
cg01785490	chr1	4659688 -0.004	0.146	-	-
cg13187967	chr11	13485012 0.006	0.146	BTBD10	TSS200
cg21698840	chr4	76598899 0.005	0.146	G3BP2;G3BP2;G3BP2	TSS1500;TSS1500;TSS1500
cg01676962	chr8	91997001 0.009	0.146	-	-
cg11042373	chr6	30956585 -0.004	0.146	MUC21	3'UTR
cg14076390	chr17	34947837 -0.024	0.146	DHRS11	TSS1500
cg23739994	chr11	94134756 0.004	0.146	GPR83	TSS200
cg10941189	chr8	144364652 -0.005	0.146	-	-
cg23097033	chr2	95831158 0.004	0.146	ZNF2;ZNF2	TSS200;TSS200
cg05845928	chr17	6458752 0.006	0.146	PITPNM3;PITPNM3	Body;Body
cg16615776	chr2	241536284 -0.006	0.146	CAPN10;CAPN10;CAPN10;CAPN10	Body;Body;Body;Body
cg14903707	chr2	241840102 -0.012	0.146	-	-
cg23738760	chr12	11918643 -0.045	0.146	ETV6	Body
cg14040633	chr17	73996331 -0.003	0.146	CDK3;C17orf106	TSS1500;Body
cg00364051	chr6	33647861 -0.031	0.146	ITPR3	Body
cg00956252	chr16	11249856 -0.007	0.146	CLEC16A	Body
cg09757107	chr17	71308359 0.009	0.146	CDC42EP4	TSS1500
cg01901780	chr16	75590245 0.004	0.146	TMEM231;TMEM231;TMEM231	TSS200;TSS200;TSS200
cg22934568	chr3	48884614 0.029	0.146	PRKAR2A	Body
cg19345940	chr8	142222121 0.046	0.146	SLC45A4	Body
cg16888603	chr8	144696651 -0.004	0.146	TSTA3	Body
cg18333839	chr17	76905803 -0.003	0.146	TIMP2	Body
cg27335799	chr6	41039982 0.003	0.146	C6orf130;NFYA;NFYA	5'UTR;TSS1500;TSS1500
cg19510999	chr16	66586309 0.01	0.146	CKLF;CKLF;CKLF;CKLF;CKLF	TSS200;TSS200;TSS200;TSS200;TSS200
cg01423563	chr3	9851850 0.006	0.146	TLL3	TSS200
cg16227703	chr1	38478221 0.009	0.146	UTP11L	TSS200
cg02723856	chr15	53086726 0.008	0.146	-	-
cg10806639	chr13	33780078 0.003	0.146	STARD13;STARD13;STARD13	1stExon;5'UTR;Body
cg06753367	chr22	24256600 -0.026	0.146	-	-
cg09109122	chr1	36173609 0.001	0.146	-	-
cg26206396	chr14	29234904 0.019	0.146	FOXG1	TSS1500
cg25351920	chr1	3696960 -0.006	0.146	LRRC47	3'UTR
cg03654472	chr5	134375057 0.008	0.146	-	-
cg13931845	chr9	89894865 -0.005	0.146	-	-
cg06418531	chr5	177019065 0.004	0.146	TMED9	TSS200
cg03099780	chr13	97864475 -0.041	0.146	-	-
cg24239329	chr13	36705622 0.002	0.146	DCLK1	TSS200
cg18722557	chr10	123734694 0.004	0.146	NSMCE4A;NSMCE4A;NSMCE4A;NSMCE4	5'UTR;1stExon;1stExon;5'UTR
cg17101748	chr1	224517614 0.009	0.146	NVL;NVL	Body;5'UTR
cg00756695	chr20	60858869 -0.003	0.146	OSBPL2;OSBPL2	Body;Body
cg22768502	chr6	84222088 0.008	0.146	PRSS35;PRSS35	TSS200;TSS200
cg15402619	chr20	62205886 0.008	0.146	PRIC285	TSS1500
cg27210136	chr17	45932641 -0.016	0.146	SP6	5'UTR
cg00031187	chr12	31522997 -0.008	0.146	-	-
cg04711998	chr10	7708869 0.007	0.146	ITH5;ITH5;ITH5;ITH5	1stExon;5'UTR;1stExon;5'UTR
cg20987029	chr22	22011682 0.009	0.146	-	-
cg00836944	chr9	124520626 -0.008	0.146	DAB2IP;DAB2IP	Body;Body
cg08416522	chr21	30451568 0.009	0.146	C21orf7	TSS1500
cg05521261	chr10	6208594 -0.004	0.146	PFKFB3	Body
cg14466251	chr9	134704033 -0.013	0.146	-	-
cg18715297	chr3	122283210 0.004	0.146	PARP9;DTX3L;PARP9;PARP9;PARP9;PARP	TSS200;1stExon;5'UTR;TSS200;TSS200;5'UTR;TSS200;5'UTR
cg21818602	chr5	32585895 0.003	0.146	SUB1	5'UTR
cg11464571	chr7	79810832 -0.01	0.146	GNAI1	Body
cg24528350	chr1	77384892 -0.003	0.146	ST6GALNACS	Body

cg16390060	chr20	21494084	0.005	0.146	NKX2-2	1stExon
cg00354884	chr17	1057541	-0.009	0.146	ABR;ABR	Body;5'UTR
cg00882235	chr1	180203488	0.025	0.146	LHX4	Body
cg00578719	chr19	1864251	0.005	0.146	KLF16	TSS1500
cg06689961	chr12	12870959	0.057	0.147	CDKN1B	1stExon
cg17093795	chr18	56887410	0.011	0.147	GRP;GRP;GRP;GRP;GRP	1stExon;5'UTR;1stExon;5'UTR;5'UTR;1stExon
cg03732087	chr1	50489654	0.013	0.147	AGBL4	TSS200
cg02296890	chr5	73495785	-0.002	0.147	-	-
cg23402467	chr8	49533485	-0.005	0.147	-	-
cg11648289	chr7	155249674	0.004	0.147	EN2	TSS1500
cg14210872	chr1	155294935	0.031	0.147	RUSC1;RUSC1;RUSC1;C1orf104;RUSC1	Body;Body;Body;TSS1500;Body
cg14932684	chr12	42632001	0.012	0.147	YAF2;YAF2	1stExon;5'UTR
cg07636846	chr2	27072402	0.008	0.147	DPYSL5	5'UTR
cg24435244	chr1	230905852	-0.005	0.147	CAPN9;CAPN9	Body;Body
cg23333915	chr13	95365509	0.01	0.147	SOX21	TSS1500
cg04933492	chr16	1045310	-0.01	0.147	-	-
cg02659794	chr12	21810750	0.004	0.147	LDHB;LDHB	1stExon;5'UTR
cg20137586	chr12	95043552	0.006	0.147	TMCC3	Body
cg17775235	chr17	78450855	0.015	0.147	NPTX1	TSS1500
cg16148410	chr15	31611603	-0.006	0.147	-	-
cg19138960	chr20	23626947	0.006	0.147	CD93;CD93	5'UTR;1stExon
cg02576394	chr6	30707038	-0.002	0.147	FLOT1	Body
cg07813065	chr16	70714606	-0.008	0.147	MTSS1L	Body
cg18915437	chr12	62654245	0.013	0.147	USP15	1stExon
cg13701180	chr19	2513436	-0.006	0.147	GNG7	3'UTR
cg11785832	chr13	111358538	0.003	0.147	CARS2	TSS200
cg14061529	chr6	109416235	0.003	0.147	SESN1;C6orf182	TSS1500;TSS200
cg22805796	chr17	79829393	0.008	0.147	ARHGDI	TSS200
cg00169930	chr4	736398	-0.005	0.147	PCGF3	Body
cg07150719	chr14	50485160	-0.006	0.147	-	-
cg25580782	chr10	6003621	-0.005	0.147	IL15RA;IL15RA	Body;Body
cg05497689	chr5	908683	-0.018	0.147	TRIP13;TRIP13	3'UTR;Body
cg18656765	chr4	159644664	0.004	0.147	PPID	TSS200
cg27326469	chr22	47133964	0.01	0.147	CERK	1stExon
cg24765016	chr19	57874875	0.012	0.147	ZNF547;TRAPPC2P1	TSS200;TSS200
cg08683180	chr3	45729929	0.005	0.147	SACM1L	TSS1500
cg08509427	chr6	31636913	-0.005	0.147	CSNK2B	Body
cg25577524	chr11	119560689	-0.009	0.147	PVRL1;PVRL1;PVRL1	Body;Body;Body
cg22255773	chr7	154557556	-0.026	0.147	DPP6;DPP6;DPP6	Body;Body;Body
cg07226980	chr1	227506019	0.005	0.147	CDC42BPA;CDC42BPA	TSS200;TSS200
cg15059065	chr19	17354961	-0.026	0.147	NR2F6	Body
cg08498485	chr3	49711383	0.011	0.147	APEH	TSS200
cg22858861	chr18	43684144	0.007	0.147	ATP5A1;ATP5A1;HAUS1;HAUS1	5'UTR;1stExon;TSS200;TSS200
cg02019805	chr22	51035937	-0.003	0.147	-	-
cg14547801	chr19	49643015	-0.011	0.147	PPFIA3	Body
cg26468205	chr20	62886904	0.009	0.147	PCMTD2;PCMTD2	TSS200;TSS200
cg20109058	chr11	38461360	-0.002	0.147	-	-
cg09039647	chr5	133304495	0.011	0.147	C5orf15	TSS200
cg10740965	chr1	9969647	0.01	0.147	CTNBP1;CTNBP1	5'UTR;5'UTR
cg12058646	chr3	45017840	0.005	0.147	ZDHC3;EXOSC7;EXOSC7;ZDHC3;ZDHC3	TSS200;Body;Body;TSS200;TSS200
cg08241528	chr4	26301501	-0.004	0.147	-	-
cg26874693	chr12	111618936	0.007	0.147	CUX2	Body
cg24088775	chr19	12595630	0.018	0.147	ZNF709;ZNF709;ZNF709	5'UTR;5'UTR;1stExon
cg08139729	chr1	41984243	-0.006	0.147	HIVEP3;HIVEP3	Body;Body
cg25166896	chr22	20009063	0.02	0.147	C22orf25	5'UTR
cg14058711	chr12	106751671	0.005	0.147	POLR3B;POLR3B	TSS200;1stExon
cg02078520	chr1	84944298	-0.003	0.147	RPF1	TSS1500
cg03663462	chr18	76734764	0.005	0.147	-	-
cg18135855	chr3	157217331	0.012	0.147	VEPH1;VEPH1;VEPH1;VEPH1;VEPH1;VEP	5'UTR;5'UTR;5'UTR;1stExon;5'UTR;5'UTR
cg02827112	chr4	95129403	0.005	0.147	SMARCAD1;SMARCAD1;SMARCAD1	5'UTR;5'UTR;5'UTR
cg00505381	chr2	241526834	0.007	0.147	CAPN10;CAPN10;CAPN10;CAPN10	Body;Body;Body;Body
cg23106158	chr14	50087524	0.003	0.147	RPL36AL;MGAT2;MGAT2	TSS200;1stExon;5'UTR
cg09636263	chr16	19724367	-0.006	0.147	C16orf88	Body
cg26515460	chr20	983354	0.008	0.147	RSP04;RSP04	TSS1500;TSS1500
cg00985983	chr22	30728510	-0.01	0.147	SF3A1;SF3A1	3'UTR;3'UTR
cg11809582	chr1	235291861	0.006	0.147	SNORA14B;TOMM20	TSS1500;Body
cg18660976	chr5	162887539	0.008	0.147	HMMR;HMMR;HMMR;NUDCD2;HMMR	1stExon;5'UTR;1stExon;TSS1500;1stExon;5'UTR;1stExon;5'UTR
cg23462052	chr20	2452871	-0.008	0.147	SNRPB;SNRPB	TSS1500;TSS1500
cg17252605	chr4	143767670	0.005	0.147	INPP4B;INPP4B	TSS200;TSS200
cg13888710	chr4	39699558	0.01	0.147	UBE2K;UBE2K;UBE2K	TSS200;TSS200;TSS200
cg00519185	chr19	36347907	0.009	0.147	KIRREL2;KIRREL2;KIRREL2;KIRREL2;KIRRE	1stExon;5'UTR;5'UTR;5'UTR;1stExon;1stExon
cg24182333	chr10	73610570	0.004	0.147	PSAP;PSAP;PSAP	Body;Body;Body
cg04575155	chr12	25981343	-0.004	0.147	-	-
cg08860143	chr16	30385767	-0.005	0.147	MYLPF	TSS1500
cg15770933	chr2	242704546	-0.004	0.147	D2HGDH	Body
cg25750389	chr4	111544016	0.005	0.147	PITX2;PITX2;PITX2;PITX2	1stExon;5'UTR;Body;Body
cg01490807	chr17	76666085	-0.041	0.147	-	-
cg06636077	chr6	44224934	0.003	0.147	SLC35B2	Body
cg08740008	chr10	105373505	-0.005	0.147	SH3PXD2A	Body
cg17945419	chr10	102504297	0.004	0.147	PAX2;PAX2;PAX2;PAX2;PAX2	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg19198791	chr17	73975107	0.006	0.147	ACOX1;ACOX1;C17orf106	1stExon;1stExon;TSS200
cg08466034	chr17	16318930	0.006	0.147	TRPV2;TRPV2	1stExon;5'UTR
cg27646729	chr12	3373764	-0.017	0.147	TSPAN9;TSPAN9	Body;Body
cg01779747	chr12	109748043	0.002	0.148	FOXN4	TSS1500
cg07981370	chr15	41244615	-0.013	0.148	CHAC1;CHAC1	TSS1500;TSS1500
cg04838107	chr14	50359190	0.012	0.148	ARF6	TSS1500
cg18108716	chr19	50037427	0.004	0.148	RCN3	Body
cg17905084	chr1	161697281	0.005	0.148	FCRLB	Body
cg01574673	chr1	156595164	0.007	0.148	HAPLN2	Body
cg04235008	chr17	36584421	0.003	0.148	-	-
cg09187486	chr12	32908527	0.003	0.148	YARS2	1stExon
cg01040181	chr8	146278358	0.02	0.148	C8orf33	Body
cg01397679	chr20	21493101	0.009	0.148	NKX2-2	Body
cg10585872	chr22	19647281	-0.009	0.148	-	-
cg10145204	chr7	46949064	-0.003	0.148	-	-
cg06088188	chr17	80251443	0.003	0.148	-	-
cg19837427	chr2	216670014	-0.003	0.148	-	-
cg02990474	chr20	49416093	-0.005	0.148	BCAS4;BCAS4;BCAS4	Body;Body;Body
cg03456872	chr22	29279967	0.003	0.148	ZNRF3;ZNRF3	5'UTR;1stExon
cg26418671	chr4	137736274	-0.009	0.148	-	-
cg01719141	chr9	140513215	0.011	0.148	C9orf37;C9orf37;EHMT1;EHMT1	5'UTR;1stExon;TSS1500;TSS1500
cg13868106	chr6	41342944	0.004	0.148	-	-
cg07456629	chr8	77616944	-0.004	0.148	ZFH4	Body
cg12400702	chr3	12838781	-0.007	0.148	CAND2;CAND2	Body;Body

cg07369569	chr6	55444821	-0.005	0.148	HMGCLL1;HMGCLL1	TSS1500;TSS1500
cg08548086	chr5	73980929	0.006	0.148	HEXB	TSS200
cg12456432	chr17	78982045	-0.013	0.148	-	-
cg02544037	chr12	68759069	0.003	0.148	-	-
cg12552303	chr1	1691817	-0.007	0.148	NADK	Body
cg08659183	chr3	141032945	-0.019	0.148	-	-
cg21370491	chr3	57679009	0.005	0.148	FAM116A	TSS200
cg20888499	chr2	426252	-0.012	0.148	-	-
cg13439946	chr1	991708	0.025	0.148	-	-
cg07139162	chr16	70465351	-0.045	0.148	ST3GAL2	5'UTR
cg16918989	chr17	8869213	0.005	0.148	PIK3R5	TSS200
cg15106136	chr17	79531978	-0.007	0.148	NPLOC4	Body
cg15932610	chr12	108820116	-0.003	0.148	-	-
cg07133445	chr16	578352	0.008	0.148	SOLH;C16orf10	5'UTR;TSS1500
cg14385985	chr10	70587144	0.008	0.148	STOX1;STOX1;STOX1;STOX1;STOX1	TSS200;TSS200;TSS200;TSS200;TSS1500
cg05041511	chr7	137671105	-0.007	0.148	CREB3L2	Body
cg21351151	chr5	139937192	0.003	0.148	SRA1;SRA1	1stExon;5'UTR
cg04537729	chr15	8387135	0.001	0.148	HDGFRP3	TSS1500
cg16480132	chr7	149571111	0.007	0.148	LOC401431;ATP6V0E2;ATP6V0E2	TSS200;1stExon;1stExon
cg27637382	chr11	66672459	-0.008	0.148	PC;PC;PC	5'UTR;5'UTR;5'UTR
cg18729308	chr4	171011257	0.014	0.148	AADAT;AADAT	5'UTR;TSS200
cg25996674	chr19	40827608	-0.016	0.148	C19orf47	3'UTR
cg07163668	chr5	150541167	-0.007	0.148	-	-
cg02909790	chr6	26271587	0.012	0.148	HIST1H3G	1stExon
cg00292986	chr2	103236105	0.006	0.148	SLC9A2	TSS200
cg00004533	chr21	45402464	-0.003	0.148	AGPAT3;AGPAT3	3'UTR;3'UTR
cg17101920	chr1	53192387	0.011	0.148	ZYG11B	Body
cg22341968	chr16	27280283	0.005	0.148	NSMCE1	TSS200
cg26826077	chr16	88537508	-0.016	0.148	ZFPM1	Body
cg02484633	chr6	33559603	-0.005	0.148	C6orf227	Body
cg07231787	chr14	79745403	0.005	0.148	NRXN3;NRXN3;NRXN3	Body;TSS1500;TSS1500
cg07562918	chr9	21994435	0.03	0.148	CDKN2A;CDKN2BAS	1stExon;TSS1500
cg23352146	chr11	12701929	0.02	0.148	TEAD1	5'UTR
cg18114129	chr1	9477578	-0.015	0.148	-	-
cg14875682	chr5	52083620	0.032	0.148	ITGA1;PELO	TSS1500;TSS200
cg16291854	chr19	50910264	-0.003	0.148	POLD1	Body
cg19721802	chr6	32301389	-0.004	0.148	C6orf10	Body
cg10099917	chr11	118962225	-0.006	0.148	HMBS;HMBS	Body;Body
cg12277698	chr4	156846936	-0.004	0.148	CTSO	3'UTR
cg21367256	chr20	62795658	-0.008	0.148	MYT1	TSS200
cg03026524	chr6	28834480	0.008	0.148	-	-
cg15323506	chr17	19619410	-0.007	0.148	SLC47A2;SLC47A2	Body;Body
cg20428976	chr18	29178942	-0.004	0.148	TTR	3'UTR
cg01603733	chr22	50529698	-0.006	0.148	MOV10L1;MOV10L1;MOV10L1	Body;Body;Body
cg00492691	chr17	73045429	-0.003	0.148	KCTD2	Body
cg15631337	chr17	46048070	0.005	0.148	CDKSRAP3	TSS1500
cg24498636	chr6	33288372	-0.009	0.148	DAXX;DAXX;DAXX;DAXX	Body;Body;Body;Body
cg09395540	chr6	31778719	-0.006	0.148	HSPA1L	Body
cg12064677	chr7	107770850	-0.003	0.148	LAMB4	TSS200
cg15863547	chr2	96987704	0.005	0.148	-	-
cg06566994	chr3	44596384	-0.01	0.148	ZNF167;ZNF167	TSS1500;TSS1500
cg03984405	chr20	34359544	0.005	0.148	PHF20	TSS1500
cg10877979	chr12	131569407	-0.004	0.148	GPR133	Body
cg12582607	chr14	65007035	0.009	0.148	HSPA2	TSS200
cg04944410	chr7	30323835	0.003	0.148	ZNRF2	TSS200
cg03018796	chr22	37730664	0.002	0.148	-	-
cg15558658	chr10	70748649	0.01	0.148	KIAA1279	1stExon
cg06852652	chr10	96442031	-0.005	0.148	CYP2C18;CYP2C18	TSS1500;TSS1500
cg25966893	chr6	100050770	0.002	0.148	-	-
cg15091068	chr6	33385786	0.008	0.148	CUTA;CUTA;CUTA;CUTA;CUTA;CUTA	Body;1stExon;5'UTR;5'UTR;5'UTR;1stExon;1stExon;1stExon;5'UTR
cg03166566	chr11	66824138	0.005	0.148	RHOD	TSS200
cg05831823	chr1	207627978	0.006	0.148	CR2;CR2	Body;Body
cg00438284	chr6	169625604	-0.009	0.148	THBS2	Body
cg14109551	chr6	118903047	-0.007	0.148	C6orf204;C6orf204	Body;Body
cg16500018	chr19	7702178	0.006	0.149	STXBP2;STXBP2	Body;Body
cg01215328	chr16	34208792	-0.006	0.149	-	-
cg11919479	chr19	42804135	-0.01	0.149	PFAFH1B3;PFAFH1B3;PFAFH1B3	Body;Body;Body
cg04488647	chr1	3389969	-0.013	0.149	ARHGEF16	Body
cg11051738	chr14	54687160	0.005	0.149	-	-
cg12366118	chr12	62860687	0.006	0.149	MON2;MON2	1stExon;5'UTR
cg09602753	chr10	134574192	-0.009	0.149	INPP5A	Body
cg22640847	chr7	150945607	0.002	0.149	SMARCD3;SMARCD3;SMARCD3	Body;1stExon;Body
cg16679650	chr1	24239820	0.006	0.149	CNR2	TSS200
cg25722880	chr19	8396681	-0.016	0.149	KANK3	Body
cg23148948	chr11	68433135	-0.006	0.149	-	-
cg07973395	chr15	91260024	0.005	0.149	BLM	TSS1500
cg17832380	chr1	231622478	-0.003	0.149	-	-
cg11051510	chr4	164088173	0.004	0.149	NAF1;NAF1	TSS200;TSS200
cg13812613	chr17	76836799	0.005	0.149	USP36	5'UTR
cg18162674	chr5	102090704	0.004	0.149	-	-
cg24051818	chr1	55107918	-0.008	0.149	C1orf175;C1orf175	Body;5'UTR
cg16189160	chr3	135684445	0.01	0.149	PPP2R3A	TSS200
cg10815400	chr1	65210420	0.006	0.149	RAVER2	TSS1500
cg08828886	chr12	133430972	-0.006	0.149	CHFR;CHFR;CHFR;CHFR	Body;Body;Body;Body
cg21238061	chr9	104036809	-0.007	0.149	LPPR1;LPPR1	Body;Body
cg25943433	chr6	30866945	-0.005	0.149	DDR1;DDR1;DDR1	Body;Body;Body
cg00497219	chr4	3253559	-0.003	0.149	C4orf44;C4orf44	Body;Body
cg11907448	chr19	2433817	-0.009	0.149	LMNB2	Body
cg20732690	chr21	47648911	0.004	0.15	MCM3APAS;LSS;LSS;LSS	TSS1500;TSS200;TSS200;TSS200;TSS200
cg08989290	chr16	615782	-0.033	0.15	NHLRC4	TSS1500
cg19274698	chr4	48782338	0.004	0.15	FRYL	TSS200
cg26165286	chr1	224958213	-0.003	0.15	-	-
cg14214834	chr3	123139305	-0.006	0.15	ADCY5	Body
cg00843912	chr19	45004550	0.004	0.15	ZNF180;ZNF180	1stExon;5'UTR
cg14408416	chr21	45196136	0.005	0.15	CSTB	1stExon
cg16310003	chr12	122297080	-0.007	0.15	HPD	TSS1500
cg08563570	chr2	85426502	-0.003	0.15	TCF7L1	Body
cg02771381	chr16	67185182	0.011	0.15	B3GNT9	TSS1500
cg08106393	chr17	17283670	-0.008	0.15	-	-
cg04872869	chr1	28908637	0.013	0.15	SNORA16A;SNHG12	TSS1500;TSS1500
cg22224625	chr10	6244514	0.006	0.15	PFKFB3;PFKFB3	TSS1500;Body
cg20393622	chr18	47340211	0.009	0.15	ACAA2;ACAA2;SCARNA17	5'UTR;1stExon;TSS200
cg02394908	chr7	102087746	-0.003	0.15	ORAI2;ORAI2	3'UTR;3'UTR
cg08602861	chr8	142200997	-0.004	0.15	DENND3	Body

cg19518308	chr2	11622904	0.008	0.15	-	-
cg18593668	chr22	23411986	0.007	0.15	RTDR1;GNAZ	Body;TSS1500
cg04775315	chr10	71168737	0.006	0.15	TACR2	Body
cg09516958	chr19	1011150	-0.015	0.15	C19orf6;C19orf6	Body;Body
cg06816055	chr11	122527360	0.003	0.15	UBASH3B	Body
cg09608858	chr6	30509467	0.004	0.15	GNL1	3'UTR
cg13303069	chr2	85361842	0.007	0.15	TCF7L1	Body
cg17480145	chr1	11994695	0.007	0.15	PLOD1	TSS200
cg20717059	chr8	11324817	0.003	0.15	FAM167A	TSS1500
cg00630020	chr20	1306618	0.023	0.15	SDCBP2	5'UTR
cg12763971	chr19	2235736	0.009	0.15	PLEKHJ1;SF3A2	Body;TSS1500
cg17159473	chr7	126893890	0.005	0.15	GRM8	TSS1500
cg19096849	chr7	80230544	-0.006	0.15	CD36	TSS1500
cg17960926	chr19	42901374	0.014	0.15	-	-
cg04068686	chr19	5719947	0.013	0.15	TMEM146;LONP1	TSS1500;1stExon
cg18286903	chr13	50367095	0.007	0.15	KPNA3	TSS200
cg07474672	chr6	90142171	-0.004	0.15	ANKRD6	TSS1500
cg03442795	chr2	10569124	-0.005	0.15	-	-
cg01751800	chr4	77820391	-0.035	0.15	ANKRD56	TSS1500
cg20664017	chr14	55738888	0.009	0.15	FBXO34;FBXO34;FBXO34	5'UTR;5'UTR;1stExon
cg14634842	chr2	232574012	0.005	0.15	PTMA;PTMA	Body;Body
cg12465353	chr1	10490637	0.003	0.15	APITD1;APITD1;APITD1	Body;TSS200;Body
cg07030277	chr15	53075825	0.002	0.15	ONECUT1	Body
cg00110192	chr15	67547258	0.002	0.15	IQCH;IQCH;AAGAB	1stExon;1stExon;TSS200
cg02023773	chr17	21435335	-0.045	0.15	C17orf51	3'UTR
cg20825506	chr6	21589356	0.005	0.15	-	-
cg01840268	chr6	26402776	0.006	0.15	BTN3A1;BTN3A1;BTN3A1;BTN3A1	5'UTR;5'UTR;5'UTR;5'UTR
cg20912752	chr12	27707194	-0.007	0.15	PPFIBP1;PPFIBP1	5'UTR;5'UTR
cg16805626	chr10	43050941	-0.003	0.15	-	-
cg24053992	chr1	119554564	-0.009	0.15	-	-
cg08278108	chr17	48042917	0.007	0.15	-	-
cg18988560	chr10	83636072	0.008	0.15	NRG3;NRG3;NRG3	Body;Body;TSS1500
cg26840590	chr6	3379300	0.016	0.15	PHF1;PHF1;PHF1	5'UTR;5'UTR;Body
cg05851844	chr12	16035312	0.009	0.15	STRAP;STRAP	1stExon;5'UTR
cg25192948	chr1	32479490	0.011	0.15	KHDRBS1;KHDRBS1	1stExon;5'UTR
cg01389964	chr20	37301692	-0.009	0.15	-	-
cg24769924	chr12	32553033	0.017	0.15	-	-
cg23505344	chr14	96505502	0.011	0.15	C14orf132	TSS200
cg02742551	chr3	186286903	-0.042	0.15	TBCCD1	5'UTR
cg05745464	chr10	120514788	0.003	0.15	C10orf46	TSS200
cg03108176	chr1	204966000	-0.004	0.15	NFASC;NFASC;NFASC;NFASC	Body;Body;Body;Body
cg14199827	chr19	56107141	-0.004	0.15	FIZ1	Body
cg15440363	chr3	32148023	0.004	0.15	GPD1L	TSS200
cg00435245	chr2	5812420	-0.011	0.15	-	-
cg13679776	chr1	64936373	0.013	0.15	CACHD1	TSS200
cg09854184	chr5	310135	-0.007	0.15	AHRR;PDCC6	Body;Body
cg14636712	chr17	21187553	0.007	0.15	MAP2K3	TSS1500
cg15231872	chr19	18054785	-0.007	0.15	CCDC124;CCDC124	3'UTR;3'UTR
cg00327772	chr14	75535155	-0.007	0.15	FAM164C;FAM164C	TSS1500;TSS1500
cg25313289	chr16	2264884	0.016	0.15	PGP	TSS200
cg13311509	chr17	1613851	0.008	0.15	TLCD2	TSS200
cg01002341	chr1	92351682	0.004	0.15	TGFBR3;TGFBR3	1stExon;5'UTR
cg19811425	chr6	31778701	-0.006	0.15	HSPA1L	Body
cg19584823	chr14	50235219	0.012	0.15	KLHDC2	1stExon
cg15855251	chr6	170200021	-0.011	0.15	C6orf208;C6orf122	Body;TSS1500
cg20710143	chr6	33267572	0.005	0.15	TAPBP;TAPBP;RGL2;RGL2	3'UTR;3'UTR;TSS1500;TSS1500
cg20118643	chr15	60690852	0.016	0.15	ANXA2;ANXA2;ANXA2;ANXA2	TSS1500;TSS1500;TSS1500;TSS1500
cg16562976	chr12	3384787	0.003	0.15	TSPAN9;TSPAN9	Body;Body
cg09845205	chr16	81591792	-0.005	0.15	CMIP;CMIP	Body;Body
cg11934394	chr12	53215390	-0.007	0.15	KRT79	3'UTR
cg09627520	chr3	58410836	-0.019	0.15	PXK	3'UTR
cg04724176	chr2	128965633	-0.003	0.15	-	-
cg13707943	chr9	130706683	-0.029	0.15	FAM102A;FAM102A	Body;Body
cg14173523	chr19	5871035	-0.006	0.15	FUT5	TSS1500
cg00175844	chr8	141580128	-0.015	0.15	EIF2C2;EIF2C2	Body;Body
cg01853541	chr4	949314	-0.006	0.15	TMEM175	Body
cg06739182	chr7	73588702	0.011	0.15	EIF4H;EIF4H	TSS200;TSS200
cg18598877	chr14	102414986	0.01	0.15	-	-
cg05699018	chr10	99531747	0.005	0.15	SFRP5;SFRP5	5'UTR;1stExon
cg03518503	chr17	40828905	0.005	0.15	PLEKHH3;PLEKHH3	5'UTR;1stExon
cg05888917	chr1	156626749	0.013	0.15	BCAN	Body
cg08944026	chr5	10626811	-0.005	0.15	ANKRD33B	Body
cg02173289	chr14	101925020	0.011	0.15	-	-
cg10796442	chr6	4950527	-0.016	0.15	CDYL;CDYL;CDYL;CDYL	Body;Body;Body;Body
cg16627358	chr16	88540175	-0.01	0.15	ZFPM1	Body
cg01307507	chr17	77751480	0.039	0.15	CBX2;CBX2	TSS1500;TSS1500
cg11858226	chr7	2548262	0.004	0.15	-	-
cg13806939	chr9	133028661	0.019	0.15	-	-
cg21860675	chr3	71586357	-0.012	0.15	FOXP1;FOXP1	5'UTR;5'UTR
cg15637528	chr6	4078959	-0.007	0.15	C6orf146;C6orf201	5'UTR;TSS1500
cg04398070	chr17	11143439	0.007	0.15	SHISA6	TSS1500
ch.2.40866951	chr2	205175098	0.004	0.15	-	-
cg21513757	chr7	95951635	0.008	0.15	SLC25A13;SLC25A13;SLC25A13	TSS200;TSS200;TSS200
cg18988159	chr8	33459821	-0.005	0.15	-	-
cg00489485	chr16	84341364	-0.004	0.15	WFDC1	Body
cg14306451	chr5	17218778	0.004	0.15	BASP1;LOC285696	5'UTR;TSS1500
cg00791657	chr9	90691427	0.003	0.15	-	-
cg14336737	chr10	74079845	0.007	0.15	-	-
cg10473479	chr3	70900182	-0.002	0.15	-	-
cg01689641	chr14	105941536	0.002	0.15	CRIP2	Body
cg14763352	chr5	63961678	-0.006	0.15	-	-
cg05964529	chr12	110906245	0.013	0.15	GPN3;C12orf24;GPN3;C12orf24;GPN3	Body;1stExon;TSS200;5'UTR;TSS200
cg18010900	chr3	32612362	0.008	0.15	DYNC1L1	TSS200
cg02938045	chr16	48222834	-0.027	0.15	ABCC11;ABCC11;ABCC11	Body;Body;Body
cg12296007	chr1	237628979	-0.007	0.15	RYR2	Body
cg10227731	chr8	146175923	0.003	0.15	ZNF16;ZNF16	5'UTR;5'UTR
cg17323704	chr3	127391632	0.007	0.15	ABTB1;PODXL2;ABTB1;ABTB1	TSS200;3'UTR;TSS200;TSS200
cg10884014	chr7	155366669	-0.006	0.15	-	-
cg10533536	chr8	145597427	0.016	0.15	ADCK5	TSS1500
cg19591881	chr1	208084640	0.005	0.15	CD34;CD34;CD34;CD34	5'UTR;1stExon;1stExon;5'UTR
cg23095776	chr19	7991117	0.027	0.15	CTXN1	TSS200
cg00169373	chr3	50605269	0.017	0.151	C3orf18	TSS200
cg25513321	chr20	33577058	-0.007	0.151	MIR499;MYH7B	TSS1500;Body
cg26589665	chr15	71623290	-0.01	0.151	THSD4	Body

cg20118422	chr15	64455210	0.013	0.151	PPIB;PPIB	5'UTR;1stExon
cg10774440	chr1	226076153	-0.006	0.151	LEFTY1	Body
cg24640641	chr6	31939768	0.017	0.151	DOM3Z;STK19;STK19;DOM3Z;STK19;STK	5'UTR;5'UTR;1stExon;1stExon;Body;5'UTR
cg21463349	chr2	119600948	0.005	0.151	EN1	Body
cg00332745	chr16	67208247	0.004	0.151	NOL3	Body
cg06955919	chr8	110551796	-0.039	0.151	EBAG9;EBAG9	TSS1500;TSS200
cg10510558	chr5	79290786	-0.002	0.151	-	-
cg08578823	chr19	10380218	0.005	0.151	ICAM1	TSS1500
cg03307581	chr5	132764798	-0.009	0.151	MIR1289-2;FSTL4	TSS1500;Body
cg24237081	chr12	24102807	0.009	0.151	SOX5;SOX5	5'UTR;TSS200
cg16581224	chr16	49783468	-0.003	0.151	ZNF423	Body
cg08402873	chr20	10653164	0.015	0.151	JAG1	Body
cg17787084	chr1	165323896	0.034	0.151	LMX1A	Body
cg01553632	chr3	32509364	0.006	0.151	-	-
cg12152919	chr6	133561886	0.009	0.151	EYA4;EYA4;EYA4	TSS1500;TSS1500;TSS1500
cg13509322	chr5	72733052	0.01	0.151	-	-
cg13665263	chr7	135662016	0.02	0.151	MTPN;MTPN;LUZP6;LUZP6	1stExon;5'UTR;5'UTR;1stExon
cg01380878	chr10	105538076	-0.012	0.151	SH3PXD2A	Body
cg21094613	chr11	78900687	-0.002	0.151	ODZ4	5'UTR
cg12844997	chr5	6605152	-0.005	0.151	NSUN2	Body
cg08332492	chr19	19174762	0.003	0.151	SLC25A42	TSS200
cg18159463	chr10	104210483	0.005	0.151	C10orf95	Body
cg00298796	chr8	107670358	0.006	0.151	OXR1;OXR1	1stExon;Body
cg16092786	chr11	32455735	0.006	0.151	WT1;WT1;WT1;WT1	Body;Body;Body;Body
cg25617100	chr10	32176403	-0.007	0.151	ARHGAP12	Body
cg09085823	chr20	30795283	0.006	0.151	POFUT1;PLAGL2;POFUT1	TSS1500;5'UTR;TSS1500
cg18612461	chr15	75251733	0.004	0.151	-	-
cg15781561	chr7	72993112	0.005	0.151	TBL2	TSS200
cg05105138	chr11	5153834	-0.005	0.151	ORS2A5	1stExon
cg05903630	chr5	71616321	0.009	0.151	PTCD2;MRPS27	1stExon;TSS1500
cg11397541	chr8	145215694	-0.01	0.151	HEATR7A;HEATR7A;HEATR7A	5'UTR;5'UTR;5'UTR
cg17877990	chr1	154580347	0.012	0.151	ADAR;ADAR;ADAR;ADAR	5'UTR;Body;Body;Body
cg00054741	chr19	54201247	-0.002	0.151	MIRS23	TSS1500
cg07546558	chr17	34122765	0.008	0.151	MMP28;MMP28	TSS200;TSS200
cg18101022	chr2	26916149	0.008	0.151	KCNK3	Body
cg04198941	chr5	77267915	0.006	0.151	-	-
cg12253437	chr6	32813448	0.002	0.151	TAP1;PSMB8	Body;TSS1500
cg20312557	chr2	97357134	-0.004	0.151	FER1L5	Body
cg26276530	chr12	22199522	0.004	0.151	CMAS	Body
cg15930219	chr1	71510804	-0.002	0.151	PTGER3;PTGER3;PTGER3;PTGER3;PTGER	Body;Body;Body;Body;Body;Body;Body;Body;Body;Body
cg26138144	chr22	38071188	0.005	0.151	LGALS1	TSS1500
cg20260028	chr15	31358057	-0.002	0.151	MIR211;TRPM1	TSS1500;Body
cg11026987	chr7	6682784	-0.003	0.151	-	-
cg08925658	chr12	27863705	0.005	0.151	MRPS35	TSS200
cg20839149	chr1	156786601	0.009	0.151	SH2D2A;NTRK1;SH2D2A;SH2D2A;SH2D2	5'UTR;Body;1stExon;TSS1500;5'UTR;5'UTR;1stExon;1stExon;5'UTR;1stExon
cg03796024	chr10	3151764	-0.009	0.151	PKP	Body
cg25062951	chr7	817576	-0.013	0.151	HEATR2	Body
cg17585548	chr5	56111120	0.011	0.151	MAP3K1;MAP3K1	1stExon;5'UTR
cg11789864	chr1	229694784	0.004	0.151	ABCB10	TSS1500
cg01563959	chr17	20014025	-0.002	0.151	CYTSB;CYTSB	Body;Body
cg25055403	chr14	24701388	0.002	0.151	NEDD8;GMPR2;GMPR2;GMPR2;GMPR2	Body;TSS1500;TSS1500;TSS1500;TSS1500
cg27262735	chr19	2976799	0.022	0.151	TLE6;TLE6	TSS1500;TSS1500
cg01811561	chr16	67753396	0.004	0.151	GFOD2;GFOD2;GFOD2	TSS200;TSS200;TSS200
cg02309841	chr3	11758425	-0.024	0.151	VGLL4	5'UTR
cg07151565	chr12	53869995	-0.012	0.151	PCBP2;PCBP2;PCBP2;PCBP2;PCBP2;PCBP	Body;Body;Body;Body;Body;Body;Body
cg09524946	chr13	50706810	0.009	0.151	-	-
cg10539122	chr1	201777275	-0.005	0.151	NAV1;MIR1231;NAV1	Body;TSS1500;Body
cg16849041	chr8	25042340	0.005	0.151	DOCK5;DOCK5	1stExon;5'UTR
cg24251441	chr1	55634126	-0.005	0.151	USP24	Body
cg06547766	chr3	187930704	-0.007	0.151	LPP;LPP	TSS200;5'UTR
cg16639766	chr2	234763386	0.005	0.151	HJURP	TSS200
cg23272305	chr19	16582048	0.014	0.151	EPS15L1	Body
cg08574758	chr4	666278	-0.007	0.151	ATP5I	3'UTR
cg08684830	chr9	80851119	0.016	0.151	CEP78;CEP78;CEP78;CEP78	1stExon;5'UTR;5'UTR;1stExon
cg08888321	chr16	89385892	-0.005	0.151	ANKRD11	5'UTR
cg14209618	chr22	19554409	-0.007	0.151	LOC150185	TSS200
cg16694354	chr17	71473714	-0.008	0.151	SDK2	Body
cg05875239	chr14	99787559	0.048	0.151	-	-
cg00136736	chr22	29949905	0.003	0.151	THOC5;THOC5;THOC5;THOC5	TSS1500;TSS200;TSS1500;TSS200
cg08703808	chr1	201613458	-0.009	0.151	-	-
cg21157507	chr11	70830058	-0.005	0.151	SHANK2	Body
cg00815109	chr12	53645775	0.004	0.151	MFSD5;MFSD5	1stExon;TSS200
cg16569347	chr17	7369066	-0.004	0.151	ZBTB4;ZBTB4	Body;Body
cg21099488	chr14	56585486	0.008	0.151	PELI2	Body
cg26157756	chr8	61917230	0.005	0.151	-	-
cg03953069	chr19	41948998	-0.014	0.151	C19orf69	TSS200
cg00746083	chr14	21905454	0.009	0.151	CHD8;CHD8	1stExon;5'UTR
cg21007971	chr22	38508132	-0.008	0.151	PLAZG6;BAIAP2L2;PLAZG6	3'UTR;TSS1500;3'UTR
cg14440064	chr7	12923850	-0.007	0.151	-	-
cg03939464	chr16	69788707	0.005	0.151	NOB1	Body
cg24542441	chr2	110371804	0.01	0.151	SEPT10;ANKRD57;SEPT10	TSS200;TSS200;TSS200
cg02531431	chr2	23853232	-0.004	0.151	KLHL29	Body
cg00655094	chr16	89104756	-0.01	0.151	-	-
cg01033646	chr12	64798739	0.009	0.151	XPOT	5'UTR
cg01629620	chr9	139025711	0.01	0.151	-	-
cg06426961	chr11	404094	-0.002	0.151	PKP3	Body
cg09711841	chr8	146228654	0.01	0.151	ZNF252;C8orf77	TSS1500;Body
cg09190696	chr6	91296794	0.008	0.151	MAP3K7;MAP3K7;MAP3K7;MAP3K7;MA	5'UTR;1stExon;1stExon;5'UTR;TSS200;1stExon;5'UTR
cg20808145	chr11	66025705	0.003	0.151	KLC2;KLC2;KLC2;KLC2	5'UTR;5'UTR;5'UTR;5'UTR
cg22260897	chr21	46822283	-0.005	0.151	-	-
cg13904228	chr12	1800090	0.005	0.151	ADIPOR2	TSS200
cg15855237	chr5	1177432	-0.007	0.151	-	-
cg00992117	chr3	127391710	0.009	0.151	ABTB1;ABTB1;ABTB1	TSS200;TSS200;TSS200
cg16853770	chr12	123355562	-0.046	0.151	VPS37B	Body
cg09006985	chr7	23054001	0.007	0.151	FAM126A	TSS1500
cg12314012	chr10	132886651	-0.009	0.151	-	-
cg01350077	chr6	41606317	0.005	0.151	MDF1;MDF1	5'UTR;1stExon
cg24996709	chr6	33170838	-0.007	0.151	SLC39A7;SLC39A7	Body;Body
cg13928782	chr11	2162445	0.016	0.151	IGF2AS;INS-IGF2;IGF2;IGF2AS;IGF2	Body;Body;5'UTR;Body;TSS200
cg03074888	chr18	56940767	0.006	0.151	RAX	TSS200
cg27286069	chr11	118481882	0.014	0.152	PHLDB1;PHLDB1;PHLDB1	5'UTR;5'UTR;5'UTR
cg16500874	chr4	1844807	-0.01	0.152	LETM1	Body
cg14923289	chr6	52535675	0.013	0.152	TMEM14A	TSS1500
cg04576203	chr2	74757825	0.006	0.152	HTRA2;HTRA2;AUP1	Body;Body;TSS1500

cg16590991	chr7	155437209	0.018	0.153	RBM33;RBM33	5'UTR;1stExon
cg13688474	chr1	9600443	0.006	0.153	SLC25A33	Body
cg26014884	chr1	207083129	0.007	0.153	FAIM3;FAIM3;FAIM3	Body;Body;Body
cg01263292	chr12	66583029	0.003	0.153	IRAK3;IRAK3;IRAK3;IRAK3	1stExon;1stExon;5'UTR;5'UTR
cg09770475	chr17	4812443	0.009	0.153	-	-
cg04205616	chr16	79692516	-0.007	0.153	-	-
cg08312083	chr2	114514236	0.005	0.153	SLC35F5;SLC35F5	1stExon;5'UTR
cg04071866	chr16	4700737	-0.015	0.153	MGRN1;MGRN1;MGRN1;MGRN1	Body;Body;Body;Body
cg16034060	chr19	4953233	-0.009	0.153	UHRF1;UHRF1	Body;Body
cg01802635	chr6	8064800	0.012	0.153	MUTED	TSS200
cg10226036	chr17	39581966	-0.004	0.153	KRT37	TSS1500
cg00695077	chr1	27998754	0.006	0.153	IFI6;IFI6;IFI6	TSS200;TSS200;TSS200
cg09784934	chr2	177023062	0.007	0.153	-	-
cg24471328	chr18	29672549	0.006	0.153	RNF138;RNF138	5'UTR;TSS200
cg26429905	chr20	35917924	0.011	0.153	MANBAL;MANBAL	TSS200;TSS200
cg09818930	chr16	31106315	0.011	0.153	VKORC1;VKORC1	TSS200;TSS200
cg08869383	chr1	11865661	0.014	0.153	CLCN6;CLCN6;MTHFR;CLCN6;CLCN6	TSS1500;TSS1500;5'UTR;TSS1500;TSS1500
cg02767827	chr7	4873428	-0.006	0.153	RADIL	Body
cg01442193	chr18	10526432	0.013	0.153	NAPG	Body
cg13521672	chr13	42031602	0.005	0.153	C13orf15;C13orf15	5'UTR;1stExon
cg24129600	chr8	42395557	-0.005	0.153	C8orf40;C8orf40;C8orf40;C8orf40;SLC20	TSS1500;TSS1500;TSS1500;TSS1500;5'UTR
cg12165758	chr14	61789593	0.004	0.153	PRKCH	Body
cg00498604	chr4	166793789	0.003	0.153	TLL1	TSS1500
cg02950701	chr10	35656925	-0.01	0.153	CCNY;CCNY	Body;5'UTR
cg05129325	chr1	215252161	0.009	0.153	KCNK2;KCNK2;KCNK2	TSS1500;TSS1500;Body
cg22749423	chr5	177596576	-0.006	0.153	-	-
cg02444305	chr6	31591597	-0.003	0.153	BAT2	Body
cg24373608	chr3	103645997	-0.004	0.153	-	-
cg26321066	chr3	183769987	-0.004	0.153	HTR3C	TSS1500
cg13619768	chr19	4008209	0.008	0.153	PIAS4	Body
cg11405531	chr1	6661980	0.004	0.153	KLHL2	1stExon
cg22123728	chr22	38081493	-0.01	0.153	NOL12	TSS1500
cg10911340	chr12	53473666	0.013	0.154	SPRYD3	TSS1500
cg01035160	chr4	90758529	0.004	0.154	SNCA;SNCA;SNCA;SNCA	TSS1500;5'UTR;TSS1500;TSS200
cg16764177	chr6	164252644	-0.006	0.154	-	-
cg18187335	chr11	70244230	0.008	0.154	CTTN;CTTN	TSS1500;TSS1500
cg21184369	chr8	38831148	-0.017	0.154	HTRA4;PLEKHA2	TSS1500;3'UTR
cg19265970	chr5	122426216	0.01	0.154	PRDM6	Body
cg10461852	chr10	126694390	-0.004	0.154	CTBP2;CTBP2;CTBP2	Body;Body;Body
cg24699871	chr6	30123191	-0.003	0.154	TRIM10;TRIM10	Body;Body
cg25931896	chr7	1705009	0.017	0.154	-	-
cg09583464	chr6	30610781	-0.004	0.154	C6orf134	Body
ch.5.28120091	chr5	28084339	0.003	0.154	-	-
cg03943717	chr1	1335569	0.009	0.154	CCNL2;CCNL2;CCNL2;CCNL2;LOC148413	TSS1500;TSS1500;TSS1500;TSS1500;Body
cg14048874	chr7	101006573	0.006	0.154	EMID2	Body
cg02985787	chr6	140287064	-0.004	0.154	-	-
cg06017059	chr8	38854090	0.016	0.154	TM2D2;TM2D2;ADAM9;ADAM9;ADAM9	TSS200;TSS200;TSS1500;TSS1500;TSS1500;TSS200;TSS200;TSS1500
cg23953027	chr14	76908109	-0.003	0.154	ESRRB	Body
cg13401368	chr6	137365761	0.002	0.154	IL20RA	Body
cg24176601	chr10	122670471	-0.003	0.154	-	-
cg12613632	chr1	95385935	-0.011	0.154	CNN3	Body
cg21105175	chr19	5917314	-0.017	0.154	RANBP3;RANBP3;RANBP3	3'UTR;3'UTR;3'UTR
cg12330441	chr22	30991811	-0.004	0.154	-	-
cg11000786	chr17	64185057	-0.007	0.154	CCDC46	5'UTR
cg07905568	chr16	30565391	-0.039	0.154	ZNF764	3'UTR
cg26452434	chr9	92219745	0.004	0.154	GADD45G	TSS200
cg16671360	chr16	2300569	-0.018	0.154	DCI	Body
cg18688230	chr12	89747628	0.01	0.154	DUSP6;DUSP6	TSS1500;TSS1500
cg21503053	chr8	47142089	-0.018	0.154	-	-
cg14446575	chr17	79801347	-0.006	0.154	P4HB	3'UTR
cg15811753	chr2	65454775	0.004	0.154	ACTR2;ACTR2	TSS200;TSS200
cg18998002	chr17	38570480	-0.005	0.154	TOP2A	Body
cg24311236	chr1	7381117	-0.004	0.154	-	-
cg05667348	chr10	118892581	0.007	0.154	VAX1	Body
cg08318985	chr16	89585040	-0.008	0.154	SPG7;SPG7	Body;Body
cg24040155	chr11	68200735	-0.004	0.154	LRP5	Body
cg22395573	chr17	79830134	0.005	0.154	ARHGDI1	TSS1500
cg26122063	chr1	3391301	-0.017	0.154	ARHGFE16	Body
cg10056356	chr4	144621898	0.008	0.154	FREM3	TSS200
cg09926212	chr7	102073671	0.009	0.154	ORAI2;ORAI2	TSS1500;TSS1500
cg10100287	chr1	6047905	-0.008	0.154	NPHP4	5'UTR
cg17544952	chr7	15725196	0.007	0.154	MEOX2	Body
cg06755413	chr2	171571077	0.002	0.154	LOC440925;SP5	TSS200;TSS1500
cg21786601	chr7	116222436	-0.003	0.154	-	-
cg04741133	chr5	43042726	0.007	0.154	LOC153684	Body
cg03542891	chr5	83018357	0.003	0.154	HAPLN1	TSS1500
cg07497645	chr16	5083353	0.005	0.154	NAGPA	Body
cg13483985	chr1	14222272	-0.015	0.154	-	-
cg06417518	chr11	115527897	-0.003	0.154	-	-
cg13084731	chr7	20834411	0.003	0.154	-	-
cg21454702	chr1	73452800	-0.004	0.154	-	-
cg04707074	chr2	43454972	0.008	0.154	ZFP36L2;LOC100129726	TSS1500;Body
cg07413480	chr10	113243726	-0.002	0.154	-	-
cg15914908	chr12	133012468	-0.004	0.154	-	-
cg09158651	chr7	1793240	-0.013	0.154	-	-
cg12850636	chr19	3727602	-0.003	0.154	TJP3	TSS1500
cg13402217	chr1	151584375	0.029	0.154	SNX27	TSS1500
cg21328810	chr19	50829227	0.01	0.154	KCNC3	Body
cg07031070	chr6	28543670	-0.028	0.154	SCAND3	Body
cg20257013	chr17	74261110	0.005	0.154	FAM100B	TSS200
cg08570521	chr4	166794471	0.002	0.154	TLL1;TLL1	1stExon;5'UTR
cg18518916	chr4	185456125	0.006	0.154	-	-
cg04003615	chr5	179486382	-0.051	0.154	RNF130	Body
cg05538983	chr1	229730023	-0.003	0.154	TAF5L	3'UTR
cg15947176	chr8	67429795	-0.019	0.154	C8orf46	3'UTR
cg11528984	chr1	228353883	0.008	0.155	C1orf69	3'UTR
cg25295218	chr4	89080179	0.004	0.155	ABCG2	TSS200
cg00513803	chr4	751071	-0.009	0.155	PCGF3	Body
cg24130926	chr2	128643992	0.007	0.155	-	-
cg20823977	chr15	93199141	0.006	0.155	FAM174B	TSS200
cg20482113	chr14	70259659	-0.002	0.155	SLC10A1	Body
cg05193570	chr5	893022	0.005	0.155	TRIP13;TRIP13;BRD9;TRIP13;TRIP13;BRD	1stExon;5'UTR;TSS200;1stExon;5'UTR;TSS1500;TSS200
cg26919527	chr22	21133973	-0.005	0.155	PI4KA;SERPIND1	Body;Body
cg19405895	chr5	407315	-0.006	0.155	AHRR	Body

cg04628256	chr3	31571701	-0.019	0.155	-	-
cg19784221	chr12	49362976	-0.007	0.155	WNT10B	Body
cg17515984	chr19	19752527	-0.005	0.155	GMIP	Body
cg00310404	chr1	27673775	-0.007	0.155	SYTL1	Body
cg22285438	chr17	915895	-0.023	0.155	ABR;ABR;ABR	Body;Body;Body
cg16572625	chr6	168915464	-0.006	0.155	SMOC2;SMOC2	Body;Body
cg23791442	chr22	43010704	0.004	0.155	POLDIP3;POLDIP3;RNU12	Body;Body;TSS1500
cg00558147	chr6	33280927	0.004	0.155	TAPBP;TAPBP;TAPBP	Body;Body;Body
cg14981549	chr7	157317020	-0.007	0.155	-	-
cg25108022	chr5	172199313	0.008	0.155	DUSP1	TSS1500
cg06775930	chr6	126069089	0.006	0.155	-	-
cg02708758	chr15	74545009	-0.002	0.155	CCDC33	Body
cg25095722	chr3	3842527	0.008	0.155	LRRN1	5'UTR
cg19051042	chr17	39680319	-0.013	0.155	KRT19	Body
cg15269194	chr7	121036118	0.086	0.155	FAM3C;FAM3C	5'UTR;5'UTR
cg24720441	chr19	4535405	0.01	0.155	PLIN5	TSS200
cg04584761	chr2	27874308	-0.002	0.155	SUPT7L	3'UTR
cg01109047	chr2	120979401	-0.004	0.155	TMEM185B	Body
cg22147163	chr11	64594647	-0.007	0.155	CDC42BPG	Body
cg06088575	chr3	447414	-0.011	0.155	CHL1	3'UTR
cg04211344	chr11	2603221	-0.005	0.155	KCNQ1;KCNQ1	Body;Body
cg08476595	chr9	115774505	0.016	0.155	LOC169834	TSS200
cg05264018	chr16	1230213	-0.007	0.155	CACNA1H;CACNA1H	Body;Body
cg13927171	chr10	131577071	-0.016	0.155	-	-
cg06676088	chr11	2150687	-0.013	0.155	INS-IGF2;IGF2;IGF2	Body;3'UTR;3'UTR;3'UTR
cg18251222	chr2	10183620	0.014	0.155	KLF11	TSS200
ch.15.649453	chr15	67158312	0.008	0.155	-	-
cg11672740	chr11	30042703	-0.008	0.155	-	-
cg12850358	chr19	9965432	-0.012	0.155	OLFM2	Body
cg16587832	chr16	77834140	-0.003	0.155	VAT1L	Body
cg00563495	chr15	74489089	-0.009	0.155	STRA6;STRA6;STRA6;STRA6	Body;Body;Body;Body
cg06649899	chr16	67261154	0.009	0.155	TMEM208;LRRC29;LRRC29	Body;TSS1500;TSS1500
cg06454283	chr8	40552037	-0.005	0.155	ZMAT4;ZMAT4	Body;Body
cg19714865	chr14	23395570	-0.017	0.155	PRMT5;PRMT5	Body;Body
cg16532755	chr21	27011482	0.01	0.155	JAM2	TSS200
cg11830880	chr17	34136324	0.006	0.155	TAF15;TAF15	TSS200;TSS200
cg05638739	chr16	89440324	-0.015	0.155	ANKRD11	5'UTR
cg06302163	chr6	170424271	-0.002	0.155	-	-
cg09328024	chr1	206808174	0.001	0.155	DYRK3;DYRK3	TSS1500;TSS1500
cg04779191	chr16	69166964	0.006	0.155	CHTF8;CHTF8;CHTF8;CHTF8;CIRH1A	TSS1500;TSS1500;TSS1500;TSS1500;5'UTR
cg07471157	chr12	49373263	0.008	0.155	WNT1	Body
cg10901390	chr14	57488011	-0.003	0.155	-	-
cg19418190	chr7	158221076	-0.005	0.155	PTPRN2;PTPRN2	Body;Body;Body
cg05021743	chr1	151810893	0.006	0.155	C2CD4D;LOC100132111	Body;TSS200
cg24126633	chr3	141762963	-0.002	0.155	-	-
cg14489884	chr4	6711592	0.003	0.155	MRFAP1L1;MRFAP1L1	1stExon;5'UTR
cg21886851	chr18	47340405	0.004	0.155	SCARNA17;ACAA2	Body;TSS200
cg04036920	chr11	33562503	-0.01	0.155	C11orf41	TSS1500
cg21648121	chr2	795273	-0.005	0.155	-	-
cg15286905	chr10	27530250	0.012	0.155	ACBD5;ACBD5;ACBD5	TSS1500;5'UTR;Body
cg14950237	chr7	4018931	-0.006	0.155	SDK1	Body
cg18456003	chr5	107018173	-0.007	0.155	-	-
cg06697339	chr19	17982759	0.003	0.155	SLC5A5	TSS200
cg00615485	chr7	29519656	-0.004	0.155	CHN2;CHN2;CHN2	5'UTR;Body;1stExon
cg17880050	chr7	26416735	0.003	0.156	-	-
cg05315365	chr16	82096597	-0.004	0.156	HSD17B2	Body
cg23330006	chr12	106507713	-0.007	0.156	NUAK1	Body
cg19704074	chr1	63062212	-0.036	0.156	DOCK7;ANGPTL3	Body;TSS1500
cg25651118	chr5	126412432	-0.007	0.156	-	-
cg18221304	chr6	31741184	-0.005	0.156	C6orf27	Body
cg13461192	chr2	46782253	-0.004	0.156	RHOQ	Body
cg20181254	chr12	53693359	0.013	0.156	C12orf10	TSS200
cg10398408	chr1	36023428	0.009	0.156	NCDN;NCDN;NCDN;KIAA0319L;NCDN;NCDN	1stExon;5'UTR;1stExon;TSS1500;5'UTR;1stExon;5'UTR
cg25993718	chr20	54580196	0.008	0.156	CBLN4	TSS200
cg04057485	chr19	47127365	-0.017	0.156	PTGIR	Body
cg26340084	chr12	8395493	0.004	0.156	LOC653113	Body
cg15548380	chr1	19984784	-0.016	0.156	NBL1;NBL1	3'UTR;3'UTR
cg02638395	chr11	78784462	-0.004	0.156	ODZ4	5'UTR
cg13946500	chr19	10217312	0.011	0.156	PPAN-P2RY11;SNORD105;PPAN	Body;TSS1500;Body
cg26619047	chr5	139028068	0.004	0.156	CXXC5	TSS1500
cg03037437	chr2	232263444	-0.015	0.156	B3GNT7	Body
cg14282531	chr9	137387895	-0.002	0.156	-	-
cg11269295	chr15	29489548	-0.004	0.156	FAM189A1	Body
cg19304108	chr19	56669063	-0.008	0.156	ZNF444	Body
cg03137177	chr21	44488499	-0.005	0.156	CBS	Body
cg00038342	chr2	1651130	-0.002	0.156	PXDN	Body
cg09059156	chr6	44344842	-0.049	0.156	SPATS1	3'UTR
cg02016642	chr12	108127402	-0.01	0.156	PRDM4	3'UTR
cg24466611	chr6	2698001	-0.008	0.156	MYLK4	Body
cg05184395	chr6	169192573	-0.006	0.156	-	-
cg24815529	chr19	55592342	0.005	0.156	EPS8L1;EPS8L1	Body;Body
cg19085352	chr8	22002294	-0.007	0.156	-	-
cg04569381	chr6	69344576	0.017	0.156	BAI3	TSS1500
cg00731304	chr6	18458468	-0.001	0.156	RNF144B	Body
cg20344893	chr20	60697038	0.005	0.156	LSM14B	TSS1500
cg02809796	chr4	749139	-0.007	0.156	PCGF3	Body
cg21898673	chr18	6929476	-0.008	0.156	-	-
cg15764593	chr10	829463	-0.007	0.156	-	-
cg07784212	chr3	47554384	0.003	0.156	C3orf75	Body
cg15680359	chr2	183482086	-0.002	0.156	-	-
cg04051571	chr8	27850258	0.015	0.156	SCAR5	TSS200
cg11971371	chr19	30156204	0.005	0.156	PLEKHF1	TSS200
cg26856322	chr1	169076014	0.003	0.156	ATP1B1;ATP1B1;ATP1B1;ATP1B1	1stExon;1stExon;5'UTR;5'UTR
cg17448137	chr1	35545086	0.004	0.156	ZMYM1	5'UTR
cg05374412	chr16	82660727	0.004	0.156	CDH13	1stExon
cg19536902	chr11	13305152	-0.004	0.156	ARNTL;ARNTL;ARNTL	5'UTR;5'UTR;5'UTR
cg16686951	chr20	44747351	0.002	0.156	CD40;CD40	Body;Body
cg04812556	chr11	9112715	0.007	0.156	SCUBE2;SCUBE2	Body;Body
cg20107653	chr22	42228989	0.007	0.156	SREBF2	TSS200
cg07808701	chr1	1464509	-0.005	0.156	ATAD3A;ATAD3A;ATAD3A	Body;Body;Body
cg04423464	chr19	18779588	-0.005	0.156	KLHL26	Body
cg21923442	chr11	30607993	0.005	0.156	MPPED2	TSS200
cg14919823	chr3	14166510	0.024	0.156	TMEM43;CHCHD4;CHCHD4;TMEM43	1stExon;TSS200;TSS200;5'UTR
cg17080504	chr11	8638357	0.003	0.156	ME3;ME3;ME3;ME3	TSS200;TSS1500;1stExon;5'UTR

cg27230984	chr17	916362	-0.01	0.161	ABR;ABR;ABR	Body;Body;Body
cg18413230	chr21	45079820	0.003	0.161	HSF2BP;RRP1B	TSS1500;Body
cg19559248	chr11	809282	0.004	0.161	RPLP2	TSS1500
cg08547691	chr17	9143754	0.006	0.161	NTN1	3'UTR
cg03426236	chr7	156756354	-0.013	0.161	NOM1	Body
cg23152885	chr15	7442282	0.009	0.161	ISLR2;LOC283731;ISLR2;ISLR2;ISLR2;ISLR2	5'UTR;TSS1500;TSS1500;1stExon;TSS1500;1stExon;5'UTR
cg03252977	chr20	443540	0.003	0.161	TBC1D20	TSS1500
cg14564974	chr3	108308456	0.011	0.161	KIAA1524;DZIP3;KIAA1524;DZIP3	5'UTR;1stExon;1stExon;5'UTR
cg23558116	chr2	178147611	-0.004	0.161	-	-
cg23685597	chr8	143556749	0.003	0.161	BAI1	Body
cg25544073	chr8	98656304	0.005	0.161	MTDH	TSS200
cg01809371	chr14	69725472	-0.004	0.161	GALNTL1;GALNTL1	TSS1500;TSS1500
cg11174173	chr6	35403738	-0.007	0.161	-	-
cg01501018	chr1	36641837	-0.004	0.161	MAP7D1	Body
cg06995135	chr5	78527885	-0.005	0.161	-	-
cg26174533	chr4	2011724	0.007	0.161	WHSC2	TSS1500
cg13961709	chr14	74486189	0.012	0.161	C14orf45;ENTPD5	1stExon;TSS200
cg14542590	chr14	89878675	-0.012	0.161	FOXN3;FOXN3	Body;Body
cg09883851	chr15	50344782	-0.008	0.161	ATP8B4	Body
cg05134232	chr1	109968980	0.003	0.161	PSMA5;PSMA5	5'UTR;1stExon
cg23840275	chr13	20969493	-0.004	0.161	-	-
cg04565649	chr5	72861166	0.006	0.161	UTP15;ANKRA2;ANKRA2	TSS1500;5'UTR;1stExon
cg04232681	chr9	11618265	-0.009	0.161	-	-
cg22802812	chr11	83984291	-0.012	0.161	DLG2;DLG2;DLG2	1stExon;Body;Body
cg00165011	chr1	202927535	0.004	0.161	ADIPOR1;ADIPOR1	TSS200;5'UTR
cg00134028	chr19	15543806	0.004	0.161	WIZ	Body
cg27186519	chr11	46732376	-0.016	0.161	-	-
cg20069584	chr15	40714236	0.004	0.161	-	-
cg18649979	chr19	21688263	0.018	0.161	ZNF429	TSS200
cg20433275	chr1	156358408	0.008	0.161	-	-
cg14654158	chr19	1109252	-0.008	0.161	SBNO2;SBNO2	Body;Body
cg08546297	chr3	5021469	0.01	0.161	BHLHE40	1stExon
cg23564178	chr10	116514555	-0.048	0.161	-	-
cg22818036	chr5	137514298	0.006	0.161	BRD8;KIF20A;BRD8;BRD8	1stExon;TSS200;1stExon;1stExon
cg12232146	chr12	76347937	-0.01	0.161	-	-
cg01107006	chr15	65670304	0.004	0.161	IGDCC3;IGDCC3	1stExon;5'UTR
cg08473663	chr17	26695438	-0.011	0.161	SEBOX;VTN	TSS1500;Body
cg17186107	chr4	185940173	0.012	0.161	HELT	1stExon
cg02397124	chr6	33168279	0.01	0.161	SLC39A7;SLC39A7;RXRB;RXRB	TSS1500;TSS1500;1stExon;5'UTR
cg16430687	chr20	33762474	-0.008	0.161	PROCR	Body
cg10375456	chr19	10380576	0.01	0.161	ICAM1	TSS1500
cg10100887	chr20	56273259	-0.008	0.161	PMEPA1;PMEPA1;PMEPA1;PMEPA1	5'UTR;5'UTR;Body;Body
cg19628148	chr3	126113918	0.017	0.161	CCDC37	5'UTR
cg00029353	chr12	52241041	0.001	0.161	-	-
cg01802593	chr12	22349726	-0.003	0.161	ST8SIA1	3'UTR
cg18593232	chr15	73415075	-0.006	0.161	NEO1	-
cg20215112	chr17	43065055	0.009	0.161	-	-
cg04055703	chr5	39074730	0.011	0.161	RICTOR	TSS1500
cg01943504	chr12	42538901	0.003	0.161	GXYLT1;GXYLT1	TSS1500;TSS1500
cg07857040	chr16	1582219	-0.006	0.161	IFT140	Body
cg23958319	chr11	113143180	-0.008	0.161	NCAM1;NCAM1	Body;Body
cg24642825	chr15	89248793	0.008	0.161	-	-
cg00743354	chr2	137935851	-0.005	0.161	THSD7B	Body
cg08508041	chr2	172959675	0.011	0.161	-	-
cg12121075	chr12	121615201	-0.052	0.161	P2RX7	Body
cg07359991	chr16	30995944	-0.028	0.161	HSD3B7;HSD3B7;HSD3B7;SETD1A	TSS1500;TSS1500;TSS1500;3'UTR
cg03132773	chr16	22824877	0.008	0.161	HS3ST2	TSS1500
cg09869042	chr22	42343253	0.002	0.162	CENPM;CENPM	TSS200;TSS200
cg03842258	chr15	67135396	0.012	0.162	-	-
cg02787387	chr15	69841231	-0.024	0.162	-	-
cg19064258	chr16	22826117	0.009	0.162	HS3ST2	1stExon
cg12415318	chr7	581545	-0.01	0.162	-	-
cg18195862	chr7	1451285	-0.012	0.162	-	-
cg16962412	chr4	1983284	-0.007	0.162	WHSC1;WHSC1;WHSC1;WHSC1	3'UTR;3'UTR;3'UTR;3'UTR
cg26247263	chr6	118972830	0.004	0.162	C6orf204;C6orf204;C6orf204;C6orf204	5'UTR;5'UTR;1stExon;1stExon
cg23694248	chr12	71314315	0.009	0.162	PTPRR;PTPRR	1stExon;5'UTR
cg08689931	chr7	86781758	0.011	0.162	DMTF1;DMTF1;DMTF1;DMTF1;DMTF1;D	5'UTR;TSS200;1stExon;1stExon;Body;Body;5'UTR
cg07829432	chr17	19437013	0.003	0.162	SLC47A1	TSS200
cg03054576	chr11	118016366	0.006	0.162	SCN4B;SCN4B;SCN4B;SCN4B	TSS200;Body;Body;TSS200
cg15587553	chr1	12645829	-0.008	0.162	DHRS3	Body
cg21414505	chr1	2180697	-0.004	0.162	SKI	Body
cg10017260	chr10	834428	-0.006	0.162	-	-
cg04539573	chr1	240775468	0.005	0.162	GREM2	TSS200
cg21502840	chr12	110011574	0.006	0.162	MVK;MMAB;MVK;MVK;MVK	5'UTR;TSS1500;5'UTR;1stExon;1stExon
cg23633210	chr2	101600602	-0.003	0.162	NPAS2	Body
cg14686437	chr8	102507837	-0.007	0.162	GRHL2	Body
cg01600222	chr6	33943520	0.024	0.162	-	-
cg27118825	chr19	46318748	0.005	0.162	RSPH6A;SYMPK	TSS200;3'UTR
cg07269557	chr3	182975699	-0.016	0.162	MCF2L2;B3GNT5	Body;5'UTR
cg14145667	chr19	909533	0.041	0.162	C19orf22	Body
cg04697832	chr14	78269778	-0.01	0.162	ADCK1;ADCK1	5'UTR;5'UTR
cg22494081	chr2	11774142	-0.006	0.162	GREB1	Body
cg19817882	chr1	226075069	-0.007	0.162	LEFTY1	Body
cg26916764	chr1	115268937	-0.004	0.162	CSDE1;CSDE1;CSDE1	Body;Body;Body
cg10257332	chr3	47869137	-0.033	0.162	DHX30;DHX30	Body;Body
cg17541553	chr7	896603	-0.011	0.162	UNC84A;UNC84A	Body;Body
cg03279470	chr16	14379220	0.003	0.162	-	-
cg07095637	chr7	2079008	-0.005	0.162	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg12918457	chr11	115630748	0.008	0.162	-	-
cg13350775	chr11	60043430	-0.003	0.162	-	-
cg15731669	chr13	52733586	0.003	0.162	NEK3;NEK3;NEK3;NEK3	5'UTR;TSS200;5'UTR;Body
cg07485305	chr6	32044179	-0.009	0.162	TNXB	Body
cg16000599	chr22	19419185	0.011	0.162	HIRA;MRPL40;HIRA	1stExon;TSS1500;5'UTR
cg10112022	chr14	91527130	0.004	0.162	RPS6KA5;RPS6KA5	TSS200;TSS200
cg22203582	chr5	76507680	0.003	0.162	PDE8B;PDE8B;PDE8B;PDE8B;PDE8B	Body;Body;Body;Body;Body
cg00526163	chr1	171454351	0.01	0.162	BAT2L2	TSS1500
cg09002726	chr11	102745934	-0.004	0.162	MMP12	TSS200
cg18980733	chr5	137577858	0.015	0.162	-	-
cg14754494	chr7	50560743	-0.006	0.162	DDC;DDC	Body;Body
cg24979407	chr5	134208942	-0.005	0.162	TXNDC15	TSS1500
cg24933605	chr2	216177085	0.024	0.162	ATIC	Body
cg21639168	chr11	10562708	0.008	0.162	RNF141;RNF141	1stExon;5'UTR
cg13482308	chr9	37002685	0.02	0.162	PAX5	Body
cg21377512	chr6	41339358	0.007	0.162	-	-

cg09796293	chr1	113250088	0.006	0.162	RHOC;RHOC;RHOC	TSS1500;TSS200;TSS200
cg22706992	chr5	115322511	-0.043	0.162	LVRN	Body
cg00770998	chr14	61119707	0.015	0.162	-	-
cg18777231	chr20	62669807	0.007	0.162	NCRNA00176;NCRNA00176	Body;Body
cg09217565	chr14	45605027	0.012	0.162	FKBP3;FANCM	TSS1500;TSS200
cg04865008	chr2	85092873	-0.006	0.163	C2orf89	Body
cg04043336	chr16	87741582	-0.005	0.163	KLHDC4	3'UTR
ch.3.10216081	chr3	48511432	0.006	0.163	SHISA5	Body
cg16004846	chr19	19887432	0.005	0.163	LOC284440	TSS1500
cg07131553	chr16	47068248	-0.006	0.163	-	-
cg00036588	chr20	35275710	-0.013	0.163	SLA2;SLA2	TSS1500;TSS1500
cg00225830	chr16	13214589	-0.017	0.163	SHISA9	Body
cg07437384	chr6	14359513	-0.006	0.163	-	-
cg13383058	chr11	66084660	0.006	0.163	CD248	TSS200
cg10469553	chr12	66696092	0.009	0.163	HELB	TSS1500
cg09259037	chr6	85474424	0.008	0.163	TBX18	TSS1500
cg25114580	chr2	198364757	0.007	0.163	HSPE1;HSPE1;HSPD1;HSPD1	1stExon;5'UTR;5'UTR;TSS200
cg21988119	chr19	17958937	0.003	0.163	JAK3	TSS200
cg02417553	chr15	41186498	0.002	0.163	VPS18	TSS200
cg16114651	chr7	73867797	0.007	0.163	GTF2IRD1;GTF2IRD1	TSS1500;TSS1500
cg20733739	chr7	2084320	-0.008	0.163	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg21795588	chr7	139024974	0.005	0.163	C7orf55	TSS1500
cg10227187	chr16	2030509	0.01	0.163	NOXO1;NOXO1;NOXO1	Body;Body;Body
cg23310813	chr11	47198055	0.007	0.163	ARFGAP2	Body
cg00811132	chr22	19511707	0.004	0.163	CLDN5;CLDN5	1stExon;Body
cg17715419	chr6	80023191	-0.032	0.163	-	-
cg24988789	chr14	105332484	0.016	0.163	KIAA0284;KIAA0284	5'UTR;5'UTR
cg22087450	chr17	15848067	0.004	0.163	ADORA2B	TSS200
cg13008978	chr12	51566772	0.004	0.163	TFCP2	TSS200
cg06354527	chr6	168122755	-0.01	0.163	-	-
cg13861219	chr6	3228943	0.005	0.163	TUBB2B	TSS1500
cg13378687	chr2	18770693	-0.006	0.163	NT5C1B;NT5C1B	Body;Body
cg22638593	chr5	131593259	0.009	0.163	PDLIM4;PDLIM4	TSS200;TSS200
cg21075261	chr7	155633421	-0.01	0.163	-	-
cg26687499	chr3	135914775	0.007	0.163	MSL2;MSL2	TSS1500;TSS200
cg08769300	chr4	122871735	0.006	0.163	TRPC3	Body
cg12220691	chr19	41641742	0.014	0.163	-	-
cg03650009	chr4	47465676	0.006	0.163	COMMD8	TSS200
cg23951114	chr11	6790774	-0.008	0.163	OR2AG2	TSS1500
cg08843039	chr8	99076813	0.009	0.163	C8orf47;C8orf47;C8orf47;C8orf47	1stExon;5'UTR;1stExon;5'UTR
cg17082405	chr8	145033328	-0.004	0.163	PLEC1;PLEC1	Body;Body
cg27142020	chr16	88378487	-0.004	0.163	-	-
cg10696085	chr12	50444522	0.002	0.163	-	-
cg01942816	chr7	5535463	-0.018	0.163	MIRS89;FBXL18	Body;Body
cg19520372	chr1	15256127	-0.005	0.163	KIAA1026;KIAA1026;KIAA1026;KIAA1026	Body;TSS200;Body;Body
cg26782218	chr16	1484813	-0.006	0.163	CCDC154	Body
cg03918198	chr16	88935474	-0.009	0.163	-	-
cg27452451	chr7	56119366	0.008	0.163	PSPH;CCT6A;CCT6A	TSS200;TSS200;TSS200
cg01566396	chr2	161126295	0.026	0.163	-	-
cg25313772	chr1	160331687	-0.006	0.163	-	-
cg07036137	chr22	34318614	0.007	0.163	-	-
cg09562426	chr11	171907304	-0.005	0.163	FOLR1;FOLR1;FOLR1;FOLR1	3'UTR;3'UTR;3'UTR;3'UTR
cg10045321	chr10	126331212	-0.009	0.163	FAM53B	Body
cg12478381	chr22	26565249	0.005	0.163	SEZ6L	TSS1500
cg17853707	chr19	23578260	0.006	0.163	ZNF91;ZNF91	1stExon;5'UTR
cg22263420	chr17	72900823	-0.005	0.163	-	-
cg05428895	chr3	137481938	0.008	0.163	-	-
cg20748132	chr12	125217707	-0.041	0.163	-	-
cg10532362	chr17	39992352	0.004	0.163	NT5C3L;NT5C3L	5'UTR;1stExon
cg07126281	chr22	44351085	0.013	0.163	SAMM50	TSS200
cg11377875	chr6	55441704	-0.002	0.163	HMGCLL1;HMGCLL1	Body;Body
cg00924004	chr8	65490710	0.005	0.163	LOC401463	TSS1500
cg24430419	chr1	61519532	0.005	0.163	-	-
cg06380320	chr17	7539899	-0.033	0.163	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9	Body;Body;Body;Body;Body
cg17255450	chr4	5710372	0.048	0.163	EVC2;EVC2	5'UTR;TSS200
cg15936121	chr1	153700431	0.006	0.163	INTS3	TSS200
cg13464401	chr21	44477740	-0.006	0.163	CBS	Body
cg03657064	chr3	169781622	-0.002	0.163	GPR160	5'UTR
cg01906555	chr2	74776410	0.006	0.163	LOXL3	Body
cg13726463	chr16	31439681	-0.007	0.163	COX6A2;COX6A2	1stExon;5'UTR
cg08472719	chr1	894108	0.002	0.163	NOC2L	Body
cg03853798	chr19	1578250	-0.005	0.163	MBD3	3'UTR
cg01521674	chr6	28872555	-0.007	0.163	TRIM27	Body
cg26693467	chr10	119304102	0.019	0.163	EMX2OS;EMX2;EMX2	Body;Body;Body
cg05786809	chr14	103989478	0.006	0.163	CKB	TSS1500
cg11217574	chr12	5652261	0.008	0.163	ESYT1	1stExon
cg26791826	chr6	30524112	0.006	0.163	PRR3;GNL1;PRR3;GNL1	TSS1500;5'UTR;TSS1500;1stExon
cg14594966	chr8	108359437	-0.002	0.163	ANGPT1	Body
cg01743841	chr20	61992494	0.002	0.163	CHRNA4	1stExon
cg21742383	chr6	31870100	0.002	0.163	ZBTB12	TSS1500
cg04863968	chr6	35762844	-0.004	0.163	CLPS	3'UTR
cg14279899	chr6	137540774	-0.002	0.163	IFNGR1	TSS1500
cg13348246	chr22	26169044	0.003	0.163	MYO18B	Body
cg17886038	chr15	100273718	0.004	0.163	LYSMD4	TSS200
cg00743788	chr22	50701157	0.006	0.163	MAPK12	TSS1500
cg06830665	chr1	20802818	0.004	0.164	-	-
cg08204790	chr2	59522360	-0.005	0.164	-	-
cg03469655	chr6	123385000	-0.007	0.164	CLVS2	3'UTR
cg15111386	chr6	32052393	-0.005	0.164	TNXB	Body
cg06966462	chr2	9612807	-0.01	0.164	CPSF3	Body
cg26924104	chr5	133340445	0.005	0.164	VDAC1	TSS200
cg13587582	chr20	61847585	0.005	0.164	YTHDF1	TSS200
cg19653979	chr2	11881462	-0.003	0.164	-	-
cg25396643	chr4	83956648	0.004	0.164	COPS4	Body
cg15739309	chr8	171235	0.004	0.164	CLN8	TSS1500
cg17341844	chr14	101495910	-0.01	0.164	MIR494	TSS200
cg07843262	chr6	31632816	0.008	0.164	BAT4;BAT4;CSNK2B	5'UTR;1stExon;TSS1500
cg04419740	chr6	30181529	0.002	0.164	TRIM26	TSS1500
cg14132357	chr19	12551140	0.014	0.164	ZNF443	Body
cg01923103	chr11	82997369	0.009	0.164	CCDC90B;CCDC90B	5'UTR;1stExon
cg00780805	chr1	3566701	0.007	0.164	WDR8	TSS200
cg13241473	chr6	41703039	0.009	0.164	TFEB;TFEB	5'UTR;TSS1500
cg06061360	chr3	134319898	0.004	0.164	KY	3'UTR
cg19024599	chr2	109886730	-0.004	0.164	SH3RF3	Body

cg09337427	chr2	1488252 -0.003	0.164	TPO;TPO;TPO;TPO	Body;Body;Body;Body
cg01337429	chr16	2522557 -0.012	0.164	NTN3	1stExon
cg15330255	chr10	103454985 0.007	0.164	FBXW4	TSS1500
cg11792483	chr22	26824763 0.001	0.164	ASPHD2	TSS1500
cg25632983	chr12	132568608 0.011	0.164	EP400NL	TSS1500
cg00788375	chr19	7745377 0.01	0.164	TRAPPCS;TRAPPCS;TRAPPCS	TSS1500;TSS1500;TSS1500
cg22957228	chr12	57610482 0.008	0.164	NXP4	TSS200
cg05961962	chr16	72602838 -0.003	0.164	-	-
cg09043549	chr17	43505638 0.007	0.164	-	-
cg08657161	chr17	79670690 0.003	0.164	MRPL12	Body
cg12878382	chr4	1360387 -0.007	0.164	KIAA1530	Body
cg04974121	chr4	20701990 0.008	0.164	PACRGL;PACRGL	TSS200;TSS200
cg00999243	chr19	808526 -0.01	0.164	PTBP1;PTBP1;PTBP1;PTBP1	Body;Body;Body;Body
cg08391287	chr16	50186918 0.004	0.164	PAPD5;PAPD5	1stExon;1stExon
cg15261861	chr12	54132255 0.008	0.164	-	-
cg12048508	chr12	65418238 -0.002	0.164	-	-
cg06354519	chr1	27939417 -0.004	0.164	FGR;FGR;FGR	3'UTR;3'UTR;3'UTR
cg06815950	chr12	111619455 -0.027	0.164	CUX2	Body
cg00532319	chr3	128398171 -0.005	0.164	-	-
cg16645828	chr7	100483871 -0.005	0.164	SRRT;SRRT;SRRT;SRRT	Body;Body;Body;Body
cg27378767	chr10	60027795 0.006	0.164	IPMK;CISD1	TSS200;TSS1500
cg16409955	chr13	38444227 0.007	0.164	TRPC4;TRPC4;TRPC4;TRPC4;TRPC4;TRPC4	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg22055427	chr3	152552440 0.003	0.164	P2RY1	TSS1500
cg05509327	chr5	10441882 0.007	0.164	ROPN1L	TSS200
cg10217503	chr12	65153209 0.007	0.164	GNS;GNS	5'UTR;1stExon
cg19321887	chr17	39558496 -0.008	0.164	-	-
cg00525508	chr10	1749360 -0.006	0.164	ADARB2	Body
cg22238777	chr12	104105289 -0.005	0.164	STAB2	Body
cg03828494	chr17	62206982 0.007	0.164	ERN1	Body
cg17186760	chr6	31782374 0.004	0.164	HSPA1L;HSPA1A	5'UTR;TSS1500
cg05897809	chr14	37117862 0.004	0.164	-	-
cg16268863	chr14	78227565 0.005	0.164	SNW1;C14orf178	TSS200;Body
cg03932459	chr6	33263938 -0.01	0.164	RGL2;RGL2	Body;Body
cg02075791	chr10	93174498 -0.005	0.164	LOC100188947;HECTD2;HECTD2	Body;Body;Body
cg27207796	chr4	17783322 0.003	0.164	FAM184B	TSS200
cg13341995	chr11	60702605 -0.003	0.164	TMEM132A;TMEM132A	Body;Body
cg19829455	chr11	34200124 -0.01	0.164	ABTB2	Body
cg18795599	chr2	132251253 0.009	0.164	FAM128A;LOC150776	TSS1500;Body
cg27357232	chr4	37688031 0.008	0.164	RELL1;RELL1	TSS200;TSS200
cg00201234	chr3	13590968 0.013	0.164	FBLN2;FBLN2	5'UTR;5'UTR
cg04817113	chr14	64972279 0.006	0.164	ZBTB1;ZBTB1	5'UTR;5'UTR
cg05291773	chr21	37500642 -0.023	0.164	-	-
cg23284646	chr4	17166339 0.019	0.164	MED28	1stExon
cg15483964	chr1	16482439 0.004	0.164	EPHA2;EPHA2	1stExon;5'UTR
cg16060536	chr11	47608204 -0.01	0.164	FAM180B	TSS200
cg16438210	chr14	91885492 0.003	0.164	CCDC88C	TSS1500
cg26022577	chr1	2323201 0.008	0.164	MORN1;RER1	TSS1500;TSS200
cg24783979	chr22	19702104 0.008	0.164	SEPT5;SEPT5	1stExon;5'UTR
cg22490722	chr4	101210430 -0.011	0.164	-	-
cg01381498	chr4	148878178 -0.005	0.164	ARHGAP10	Body
cg03267742	chr17	686545 -0.017	0.164	RNMTL1;GLOD4	Body;TSS1500
cg06901790	chr16	31712112 0.003	0.164	C16orf67	Body
cg23295592	chr1	19971176 0.006	0.164	NBL1;NBL1	Body;5'UTR
cg06921107	chr6	30570103 -0.013	0.164	PPP1R10	Body
cg00779180	chr16	25117992 0.005	0.164	-	-
cg15129506	chr2	27958712 0.003	0.164	-	-
cg14244674	chr9	140148456 -0.004	0.164	COBRA1	TSS1500
cg23150219	chr19	1237619 0.005	0.164	C19orf26	5'UTR
cg01556246	chr8	8204802 0.01	0.165	PRAGMIN	Body
cg05562844	chr12	38555758 -0.004	0.165	-	-
cg08614638	chr11	65685108 -0.024	0.165	C11orf68;C11orf68	Body;Body
cg27564820	chr4	113206782 0.004	0.165	TIFA	5'UTR
cg12069423	chr10	15254709 -0.005	0.165	FAM171A1	3'UTR
cg10510337	chr17	76666264 -0.013	0.165	-	-
cg01893439	chr7	148581376 0.004	0.165	EZH2;EZH2;EZH2;EZH2	5'UTR;1stExon;5'UTR;1stExon
cg23868672	chr14	35344258 0.005	0.165	BAZ1A;BAZ1A	5'UTR;5'UTR
cg02956148	chr17	36762611 0.011	0.165	SRCIN1	TSS1500
cg25886719	chr11	33796235 0.008	0.165	FBXO3;FBXO3	TSS200;TSS200
cg13609167	chr4	2827061 -0.013	0.165	SH3BP2;SH3BP2;SH3BP2;SH3BP2	Body;Body;Body;Body
cg10556999	chr1	158088745 -0.002	0.165	-	-
cg19440233	chr3	52009002 0.004	0.165	ABHD14A;ABHD14B;ABHD14B;ABHD14B	TSS200;TSS1500;TSS1500;TSS1500
cg05577926	chr7	716813 -0.013	0.165	PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B	Body;Body;Body;Body;Body;Body
cg27486427	chr3	25469919 0.014	0.165	RARB;RARB;RARB;RARB	5'UTR;1stExon;1stExon;5'UTR
cg24446071	chr19	19281270 0.011	0.165	LOC729991-MEF2B;LOC729991-MEF2B;†	Body;5'UTR;TSS200;Body
cg20989480	chr11	32451461 -0.006	0.165	WT1;WT1;WT1;WT1	Body;Body;Body;Body
cg26165269	chr17	77765514 0.007	0.165	-	-
cg21762523	chr6	108497717 0.014	0.165	NR2E1	Body
cg16002887	chr1	3280682 -0.006	0.165	PRDM16;PRDM16	Body;Body
cg09261403	chr7	923516 -0.007	0.165	C7orf20	Body
cg03586240	chr7	1966361 0.051	0.165	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg16069236	chr21	26980353 0.002	0.165	MRPL39;MRPL39	TSS1500;TSS1500
cg12456884	chr17	7372008 -0.016	0.165	ZBTB4;ZBTB4	5'UTR;5'UTR
cg14131755	chr10	50606043 0.007	0.165	-	-
cg11658304	chr14	100842893 0.011	0.165	WARS;WDR25;WARS;WDR25;WDR25;WDR25	TSS1500;5'UTR;TSS1500;1stExon;5'UTR;TSS1500;TSS1500
cg03051116	chr10	30720703 -0.005	0.165	-	-
cg02747280	chr16	89202817 -0.005	0.165	ACSF3;ACSF3;ACSF3	Body;Body;Body
cg07926491	chr12	57489971 -0.008	0.165	STAT6	3'UTR
cg26113512	chr3	38035601 0.013	0.165	VILL	Body
cg12321193	chr13	78550384 -0.002	0.165	EDNRB	TSS1500
cg26370372	chr5	170883661 -0.003	0.165	FGF18	Body
cg20214135	chr19	56369928 -0.006	0.165	NLRP4	Body
cg12373617	chr5	113698140 0.01	0.165	KCNN2;KCNN2	1stExon;5'UTR
cg06116271	chr12	120906938 0.011	0.165	DYNLL1;SFRS9	TSS1500;Body
cg14089982	chr7	2465695 -0.009	0.165	CHST12	5'UTR
cg00096418	chr16	65910068 -0.003	0.165	-	-
cg13568956	chr8	137938192 -0.034	0.165	-	-
cg18446708	chr14	69421531 -0.005	0.165	ACTN1;ACTN1;ACTN1	Body;Body;Body
cg03357540	chr18	19180823 0.002	0.165	ESCO1	TSS200
cg18387343	chr1	27248345 0.009	0.165	NUDC	1stExon
cg22307732	chr7	2559417 0.012	0.165	LFNG;LFNG;LFNG;LFNG	Body;Body;TSS200;TSS200
cg07584087	chr5	179227268 -0.007	0.165	MGAT4B;MGAT4B	Body;Body
cg14324255	chr13	52980516 0.01	0.165	THSD1;THSD1;THSD1;THSD1	5'UTR;1stExon;5'UTR;1stExon
cg15233114	chr10	60145133 0.003	0.165	TFAM	TSS200
cg13234882	chr1	15573050 -0.001	0.165	FHAD1	TSS1500

cg07467199	chr5	14874832	-0.005	0.165	-	-
cg24143933	chr1	212458162	0.022	0.165	PPP2R5A	TSS1500
cg08890084	chr1	51425800	0.005	0.165	FAF1;FAF1	1stExon;5'UTR
cg02473953	chr16	24550417	-0.004	0.165	RBBP6;RBBP6;RBBP6	TSS1500;TSS1500;TSS1500
cg18049386	chr3	48200550	-0.005	0.165	CDC25A;CDC25A	Body;Body
cg19336883	chr11	64085465	0.004	0.165	PRDX5;PRDX5;PRDX5;TRMT112	TSS200;TSS200;TSS200;TSS1500
cg25039158	chr7	127365616	-0.024	0.165	SNF1	Body
cg02658528	chr13	113689139	-0.014	0.165	MCF2L;MCF2L	Body;Body
cg06312254	chr3	164911348	0.009	0.165	SLITRK3	5'UTR
cg00242325	chr10	3759639	-0.002	0.165	-	-
cg16142313	chr8	28950249	-0.002	0.165	KIF13B	Body
cg24277128	chr6	31633779	0.011	0.165	CSNK2B;BAT4;CSNK2B	1stExon;TSS1500;5'UTR
cg13374488	chr8	125266658	-0.007	0.165	-	-
cg00395262	chr3	180397750	0.003	0.165	CCDC39	TSS1500
cg14506196	chr10	101295400	0.002	0.165	NKX2-3	Body
cg17132535	chr2	47133191	-0.003	0.165	MCFD2;MCFD2;MCFD2;MCFD2;MCFD2	Body;Body;Body;Body;Body;Body;Body
cg20865151	chr6	6724842	0.004	0.165	-	-
cg12054648	chr19	52692935	0.01	0.165	PPP2R1A	TSS1500
cg26794638	chr11	116969404	0.017	0.165	SIK3	TSS1500
cg13674914	chr7	14429205	-0.014	0.165	DGKB;DGKB	Body;Body
cg00294096	chr1	77333749	0.002	0.165	ST6GALNACS	Body
cg18251767	chr6	31627090	-0.023	0.165	C6orf47	1stExon
cg24322628	chr4	74715923	-0.004	0.165	-	-
ch.2.67733481	chr2	6855897	0.003	0.165	-	-
cg26919805	chr22	42016856	0.003	0.165	PPPDE2;XRCC6;PPPDE2	5'UTR;TSS1500;1stExon
cg06966750	chr11	15097454	-0.004	0.165	CALCB	Body
cg00140813	chr16	28857836	0.04	0.165	TUFM	TSS200
cg22399133	chr2	208989248	0.016	0.165	CRYGD;CRYGD	1stExon;5'UTR
cg13880467	chr8	70508320	-0.006	0.165	SULF1;SULF1;SULF1;SULF1	Body;Body;Body;Body
cg04647781	chr16	4784336	0.061	0.165	C16orf71;ANKS3;C16orf71	5'UTR;TSS200;1stExon
cg06635059	chr13	55449282	-0.021	0.165	-	-
cg23030040	chr4	3414302	-0.004	0.165	RGS12;RGS12;RGS12	Body;Body;Body
cg20163033	chr4	2627194	-0.003	0.165	FAM193A;FAM193A	1stExon;5'UTR
cg04013561	chr12	131493585	-0.009	0.165	GPR133	Body
cg01405143	chr19	9649327	0.02	0.165	ZNF426	TSS200
cg10590292	chr12	51717674	0.003	0.165	BIN2	Body
cg00872628	chr10	112327101	0.004	0.165	SMC3	TSS1500
cg01147714	chr2	173686002	-0.003	0.165	RAPGEF4;RAPGEF4	Body;TSS1500
cg07658503	chr7	30722177	0.008	0.165	CRHR2	TSS200
cg27004414	chr2	97303175	0.003	0.165	KIAA1310;KIAA1310	5'UTR;5'UTR
cg24720672	chr15	57599126	0.01	0.165	LOC283663	Body
cg00497630	chr17	26733052	0.007	0.165	SLC46A1	1stExon
cg04719166	chr1	166806295	-0.003	0.165	-	-
cg01853367	chr14	105634387	0.003	0.165	JAG2;JAG2	Body;Body
cg00061413	chr5	168007339	-0.014	0.165	PANK3	TSS1500
cg13518988	chr17	73401817	0.007	0.165	GRB2;GRB2	TSS200;TSS200
cg06783533	chr16	56388908	-0.013	0.165	GNAO1	Body
cg12408250	chr1	3121727	-0.002	0.165	PRDM16;PRDM16	Body;Body
cg00920818	chr12	47473421	0.006	0.165	AMIGO2;AMIGO2;AMIGO2;AMIGO2	5'UTR;1stExon;5'UTR;1stExon
cg12268991	chr3	136471127	0.007	0.165	STAG1;STAG1	5'UTR;1stExon
cg19644351	chr5	149340142	0.007	0.165	SLC26A2	TSS200
cg07003643	chr11	119217537	-0.006	0.165	C1QTNF5;MFRP	TSS200;TSS200
cg08790638	chr11	36476272	-0.014	0.165	PRR5L;PRR5L;PRR5L;PRR5L	Body;Body;Body;Body
cg21321372	chr4	141264456	-0.05	0.165	SCOC;SCOC;SCOC;SCOC;SCOC	TSS200;5'UTR;TSS200;TSS200;TSS200
cg10089647	chr1	226298073	0.001	0.165	-	-
cg11200794	chr5	178684000	-0.005	0.165	ADAMTS2;ADAMTS2	Body;Body
cg26303339	chr2	206773293	-0.007	0.165	-	-
cg14605274	chr2	169750924	-0.007	0.165	-	-
cg15605530	chr3	17069926	-0.009	0.165	PLCL2;PLCL2	Body;Body
cg07725849	chr2	239542273	-0.02	0.165	-	-
cg00952322	chr22	41763266	0.008	0.165	TEF	TSS200
cg04920214	chr16	87102163	-0.004	0.165	-	-
cg19818642	chr15	91260404	0.007	0.165	BLM	TSS200
cg01145353	chr10	124274203	-0.003	0.165	HTRA1	3'UTR
cg12078946	chr10	100189180	-0.009	0.165	HPS1;HPS1	3'UTR;Body
cg16542646	chr16	22175965	-0.008	0.165	-	-
cg05319934	chr16	2284375	-0.009	0.165	E4F1	Body
cg08863539	chr19	2841394	0.005	0.165	ZNF555	TSS200
cg07328565	chr8	53327079	-0.005	0.165	-	-
cg01291468	chr2	234589374	-0.008	0.165	UGT1A10;UGT1A7;UGT1A9;UGT1A8	Body;TSS1500;Body;Body
cg23054112	chr2	204400194	0.003	0.165	RAPH1;RAPH1	TSS200;TSS200
cg03214385	chr1	117525358	-0.003	0.165	PTGFRN	Body
cg14881178	chr3	128713151	0.008	0.165	KIAA1257	TSS200
cg04614296	chr17	42083858	0.012	0.165	NAG5	Body
cg19507217	chr1	113251308	-0.005	0.165	RHOC;RHOC	TSS1500;TSS1500
cg10985440	chr1	48176518	0.009	0.165	-	-
cg25333460	chr2	234370070	-0.004	0.165	DGKD;DGKD	Body;Body
cg15572779	chr7	151145683	0.006	0.165	-	-
cg12588470	chr4	89444909	0.012	0.165	PIGY;PIGY;PIGY;PIGY	1stExon;1stExon;5'UTR;5'UTR
cg11535638	chr10	123931797	-0.004	0.165	TACC2;TACC2;TACC2;TACC2	Body;Body;Body;Body
cg13818830	chr9	116326021	-0.034	0.165	RGS3;RGS3;RGS3	Body;Body;TSS1500
cg22473312	chr19	28284823	0.019	0.165	LOC148189	Body
cg10853949	chr17	80290217	-0.02	0.165	SECTM1	5'UTR
cg06341590	chr4	57624431	0.005	0.165	-	-
cg26239984	chr7	1278428	0.011	0.165	-	-
cg21752338	chr14	21572519	0.004	0.165	ZNF219	5'UTR
cg12821632	chr11	114271328	0.004	0.165	C11orf71;RBM7	TSS200;TSS200
cg22376582	chr15	43425568	0.003	0.165	TMEM62	TSS200
cg19628964	chr6	28830011	-0.05	0.165	-	-
cg01881549	chr2	235914787	-0.01	0.165	SH3BP4	5'UTR
cg20253151	chr10	112258544	0.01	0.165	DUSP5	Body
cg24590788	chr13	95655324	0.009	0.165	-	-
cg20828333	chr1	5927556	-0.018	0.165	NPHP4	Body
cg02387326	chr12	54345679	0.019	0.165	-	-
cg13517567	chr7	99517196	0.004	0.165	TRIM4;TRIM4	TSS200;TSS200
cg20825416	chr1	164547119	-0.005	0.165	PBX1	Body
cg04051697	chr2	88470813	-0.003	0.165	THNSL2	5'UTR
cg27519691	chr1	77333074	0.007	0.165	ST6GALNACS	TSS200
cg25135143	chr10	115934548	0.003	0.165	MIR2110;C10orf118	TSS1500;TSS200
cg01517962	chr1	3080196	-0.011	0.165	PRDM16;PRDM16	Body;Body
cg05925327	chr15	68127851	0.014	0.165	-	-
cg17328880	chr19	17415155	-0.027	0.165	MRPL34;ABHD8	TSS1500;TSS1500
cg21908664	chr1	222987586	-0.005	0.165	-	-
cg12618910	chr3	33155292	0.004	0.165	CRTAP	TSS200

cg00376785	chr7	102985038	0.014	0.165	DNAJC2;DNAJC2	1stExon;1stExon
cg06230736	chr10	8096650	0.002	0.165	FLJ45983;GATA3;GATA3;FLJ45983	TSS1500;TSS200;TSS200;TSS1500
cg02838118	chr1	111506021	0.005	0.165	C1orf103;C1orf103	Body;5'UTR
cg26186132	chr6	74017345	-0.003	0.165	C6orf147	Body
cg04114267	chr19	11669574	0.006	0.165	ELOF1	5'UTR
ch.6.27712021	chr6	144123518	0.008	0.165	PHACTR2;PHACTR2;PHACTR2;PHACTR2	Body;Body;Body;Body
cg21071844	chr14	61116048	0.002	0.165	SIX1;SIX1	1stExon;5'UTR
cg21460403	chr8	133334424	-0.006	0.165	KCNQ3	Body
cg13246654	chr4	114682613	0.004	0.165	CAMK2D;CAMK2D;CAMK2D;CAMK2D;CA	5'UTR;5'UTR;1stExon;1stExon;1stExon;5'UTR;1stExon;5'UTR;1stExon;5'UTR;1stExon
cg01028920	chr16	31237479	-0.008	0.165	-	-
cg21805731	chr1	204560985	-0.006	0.165	-	-
cg03937515	chr18	76277580	-0.004	0.165	-	-
cg00837677	chr10	48372681	-0.015	0.165	ZNF488	3'UTR
cg00782057	chr8	80679670	0.006	0.165	HEY1;HEY1	Body;Body
cg19328711	chr11	63655895	0.008	0.165	MARK2;MARK2;MARK2;MARK2;MARK2	Body;TSS200;Body;Body;Body
cg16268778	chr17	37824529	0.008	0.165	PNMT;PNMT	5'UTR;1stExon
cg21404910	chr11	67188491	0.004	0.165	ATPGD1;ATPGD1	Body;Body
cg13918611	chr7	97841998	-0.019	0.165	BHLHA15	1stExon
cg25940847	chr6	10412479	0.009	0.165	TFAP2A;TFAP2A;TFAP2A;TFAP2A	Body;5'UTR;1stExon;Body
cg10201297	chr1	32930832	0.01	0.165	ZBTB8B	5'UTR
cg14865034	chr17	80267030	-0.028	0.165	-	-
cg10986561	chr6	36954133	0.006	0.165	MTCH1	TSS200
cg11147155	chr1	150595206	-0.046	0.165	ENSA;ENSA;ENSA;ENSA	3'UTR;3'UTR;3'UTR;3'UTR
cg06935199	chr16	2524534	0.006	0.165	TBC1D24	TSS1500
cg20452975	chr7	57881100	-0.019	0.165	-	-
cg00309462	chr1	1840482	0.005	0.165	-	-
cg00718519	chr6	30689608	0.009	0.165	TUBB	Body
cg05781698	chr15	99249249	-0.008	0.165	IGF1R	Body
cg20624538	chr11	118662171	0.005	0.165	DDX6	TSS200
cg01619533	chr16	89421770	-0.008	0.165	ANKRD11	5'UTR
cg17992194	chr8	1792249	-0.007	0.165	ARHGFE10	Body
cg04976999	chr3	42632121	0.007	0.165	SS18L2	TSS200
cg14047630	chr10	132944831	-0.007	0.165	TCERG1L	Body
cg13594630	chr12	32108895	-0.042	0.165	-	-
cg02912279	chr22	25343683	-0.007	0.165	-	-
cg05816398	chr7	104623427	-0.007	0.165	-	-
cg07895807	chr2	33372733	-0.003	0.165	LTBP1;LTBP1;LTBP1;LTBP1;LTBP1	Body;Body;Body;Body;Body
cg09027266	chr1	153662438	-0.001	0.166	NPR1	Body
cg01981181	chr12	49500773	-0.012	0.166	LMBR1L	Body
cg20586163	chr8	1136538	-0.008	0.166	-	-
cg00394180	chr8	97167170	0.011	0.166	GDF6	Body
cg26594775	chr7	22452268	-0.004	0.166	-	-
cg13080487	chr11	34622359	-0.007	0.166	-	-
cg09546679	chr2	233364402	-0.011	0.166	-	-
cg17193921	chr22	50683583	0.019	0.166	TUBGCP6	TSS200
cg17841529	chr12	76953712	0.008	0.166	OSBP1L;OSBP1L	TSS200;TSS200
cg17441887	chr4	6473558	0.006	0.166	PPP2R2C	Body
cg13396354	chr1	41153348	-0.006	0.166	-	-
cg13810332	chr9	114421433	-0.004	0.166	DNAJC25-GNG10	Body
cg09603024	chr20	48599292	0.007	0.166	SNAI1	TSS1500
cg19372226	chr11	111945000	0.005	0.166	C11orf57;C11orf57;C11orf57;C11orf57;C	5'UTR;1stExon;1stExon;5'UTR;1stExon;5'UTR;TSS200;TSS200
cg02582912	chr20	62421950	-0.01	0.166	ZBTB46	Body
cg22541963	chr20	60982533	0.005	0.166	CABLES2	TSS200
cg17530639	chr15	64448120	-0.008	0.166	SNX22;PPIB	3'UTR;3'UTR
cg21368481	chr6	31747120	-0.005	0.166	VARS	Body
cg13428213	chr9	98267529	-0.019	0.166	PTCH1;PTCH1;PTCH1;PTCH1;PTCH1	5'UTR;Body;Body;5'UTR;5'UTR;Body
cg17240528	chr2	97376832	-0.006	0.166	LMAN2L;LMAN2L;LMAN2L;LMAN2L;LMA	Body;Body;Body;Body;Body
cg16321280	chr11	44332972	0.02	0.166	ALX4	TSS1500
cg14597281	chr6	32861863	0.014	0.166	-	-
cg08428292	chr16	85981373	0.026	0.166	-	-
cg24030622	chr17	59539397	0.011	0.166	TBX4	Body
cg11637968	chr4	159732036	-0.005	0.166	FNIP2	Body
cg04240456	chr1	89756672	-0.004	0.166	-	-
cg24587312	chr15	39766341	-0.002	0.166	-	-
cg17170583	chr1	156721123	0.007	0.166	HDGF;HDGF;HDGF	Body;Body;Body
cg16871763	chr8	11537909	0.015	0.166	-	-
cg03808149	chr6	10747832	0.002	0.166	TMEM14B;TMEM14B	TSS200;TSS200
cg09169633	chr15	91447749	-0.054	0.166	MAN2A2	Body
cg16356045	chr2	132584587	-0.017	0.166	-	-
cg14401372	chr7	2272828	0.003	0.166	MAD1L1;MAD1L1;MAD1L1	TSS1500;TSS1500;TSS1500
cg14407697	chr10	18424093	-0.007	0.166	-	-
cg26551346	chr19	36486149	0.004	0.166	SDHAF1;SDHAF1	1stExon;5'UTR
cg14331002	chr19	11201349	0.004	0.166	LDLR	Body
cg23361355	chr5	176170260	0.008	0.166	-	-
cg02767759	chr16	30366751	0.007	0.166	CD2BP2;CD2BP2	TSS1500;TSS200
cg24413391	chr2	27886079	0.004	0.166	SLC4A1AP;SUPT7L	TSS1500;5'UTR
cg08494133	chr4	6588793	-0.004	0.166	MAN2B2	Body
cg04766779	chr17	30596481	-0.006	0.166	RHBDL3	Body
cg08346210	chr4	130012176	-0.011	0.166	SCLT1	Body
cg21359335	chr12	49284769	0.003	0.166	-	-
cg19434936	chr9	35658452	0.003	0.166	CCDC107;RMRP	1stExon;TSS1500
cg19620752	chr15	99192520	0.012	0.166	IGF1R	TSS1500
cg15831310	chr19	35523527	-0.005	0.166	SCN1B;SCN1B	Body;Body
cg04276370	chr6	160390055	0.009	0.166	IGF2R	TSS200
cg02586025	chr5	179075765	-0.006	0.166	-	-
cg26754159	chr17	3513250	-0.004	0.166	TRPV1;SHPK	TSS1500;3'UTR
cg12050728	chr17	2265392	-0.006	0.166	SGSM2;SGSM2	Body;Body
cg24525573	chr1	16330784	-0.007	0.166	C1orf64;C1orf64	1stExon;5'UTR
cg07181175	chr6	13711723	0.005	0.166	RANBP9	1stExon
cg05059663	chr17	13972631	0.004	0.166	COX10	TSS200
cg14679558	chr13	21652153	-0.008	0.166	-	-
cg09444979	chr15	45815343	0.003	0.166	SLC30A4;C15orf21	TSS1500;Body
cg20942782	chr7	6746799	0.007	0.166	ZNF12;ZNF12	TSS1500;TSS1500
cg07066362	chr8	92082300	0.011	0.166	OTUD6B	TSS200
cg22511775	chr8	1796506	-0.024	0.166	ARHGFE10	Body
cg05637945	chr17	46985753	0.004	0.166	UBE2Z	TSS200
cg14320938	chr9	99180324	0.004	0.166	ZNF367;ZNF367	5'UTR;1stExon
cg03750587	chr1	24239979	0.005	0.166	CNR2	TSS200
cg11226148	chr2	27485298	0.009	0.166	SLC30A3	Body
cg06993955	chr15	86301167	-0.033	0.166	-	-
cg07786760	chr4	155412677	0.003	0.166	DCHS2;DCHS2;DCHS2;DCHS2	5'UTR;1stExon;1stExon;5'UTR
cg27541781	chr18	45457066	0.004	0.166	SMAD2;SMAD2;SMAD2	5'UTR;5'UTR;TSS200
cg00106989	chr5	180258654	0.027	0.166	LOC729678	Body
cg08659667	chr1	242688226	0.004	0.166	PLD5	TSS1500

cg09779537	chr7	2763933	-0.004	0.166	-	-
cg13464351	chr9	98963414	-0.009	0.166	-	-
cg11076617	chr11	75236607	0.006	0.166	GDPD5	TSS200
cg19988637	chr7	100889046	-0.006	0.166	FIS1	TSS1500
cg27617109	chr6	118640897	-0.004	0.166	-	-
cg03129134	chr6	15504030	-0.004	0.166	JARID2	Body
cg06161657	chr1	22238906	-0.003	0.166	HSPG2	Body
cg02743222	chr5	170736335	0.016	0.166	TLX3;TLX3	5'UTR;1stExon
cg13699479	chr11	67982598	-0.008	0.166	-	-
cg26722577	chr8	49890432	-0.006	0.166	-	-
ch.22.757911	chr22	42046476	0.015	0.166	XRCC6	Body
cg14742341	chr4	68563317	-0.008	0.166	UBA6	Body
cg10406759	chr17	80348182	-0.004	0.167	-	-
cg25642184	chr4	3742095	-0.017	0.167	-	-
cg02245837	chr15	26108739	0.003	0.167	ATP10A	TSS1500
cg13382132	chr15	99058861	-0.006	0.167	FAM169B	TSS1500
cg02725620	chr7	101630650	-0.012	0.167	CUX1;CUX1;CUX1	Body;Body;Body
cg10830758	chr10	95462430	0.012	0.167	C10orf4	TSS200
cg26424013	chr16	20911827	0.002	0.167	DCUN1D3;LYRM1;LYRM1;LYRM1;LYRM1	TSS1500;TSS1500;1stExon;5'UTR;TSS1500
cg05366475	chr16	72993541	-0.005	0.167	ZFH33;ZFH33	Body;5'UTR
cg11177693	chr2	27604063	-0.036	0.167	ZNF513;PPM1G;PPM1G	TSS1500;3'UTR;3'UTR
cg09223489	chr16	86785970	-0.002	0.167	-	-
cg17051321	chr15	83952508	0.007	0.167	BNC1	Body
cg11127941	chr3	196218730	-0.004	0.167	RNF168	Body
cg10235961	chr3	48471218	0.009	0.167	PLXNB1;PLXNB1	5'UTR;TSS1500
cg08153408	chr10	12874786	-0.006	0.167	LOC283070	TSS1500
cg01938304	chr16	88550695	-0.01	0.167	ZFPM1	Body
cg01464484	chr11	67089352	-0.008	0.167	LOC100130987	Body
cg07392088	chr10	1034168	0.007	0.167	GTPBP4	TSS200
cg26690956	chr5	168579390	-0.006	0.167	SLIT3	Body
cg06129617	chr2	110015249	-0.01	0.167	SH3RF3	Body
cg10357841	chr11	450288	0.003	0.167	PTDSS2;PTDSS2	5'UTR;1stExon
cg21888241	chr11	14541921	0.005	0.167	PSMA1;PSMA1;PSMA1;PSMA1;PSMA1	5'UTR;1stExon;Body;5'UTR;1stExon
cg19930420	chr8	74888567	0.002	0.167	TMEM70;TMEM70	1stExon;1stExon
cg05064936	chr17	45764416	-0.025	0.168	-	-
cg13985868	chr9	116102304	0.01	0.168	WDR31;WDR31	5'UTR;5'UTR
cg03462053	chr12	52887263	-0.006	0.168	KRT6A	TSS200
cg16097124	chr14	75642688	0.013	0.168	TMED10	Body
cg23268677	chr22	19929097	0.003	0.168	TXNRD2;COMT	Body;TSS200
cg21010859	chr11	27740161	0.001	0.168	BDNF;BDNF;BDNF;BDNF;BDNF	Body;5'UTR;5'UTR;5'UTR;5'UTR
cg00978875	chr6	28973497	0.005	0.168	ZNF311	TSS1500
cg11157525	chr5	1378503	-0.003	0.168	-	-
cg19445588	chr12	116904641	-0.054	0.168	-	-
cg02924348	chr18	75884597	-0.013	0.168	-	-
cg03767515	chr7	27223219	0.011	0.168	HOXA11	Body
cg12814141	chr14	70388045	-0.011	0.168	SMOC1;SMOC1	Body;Body
cg09105933	chr10	134514612	-0.006	0.168	INPP5A	Body
cg25358289	chr5	140012728	0.019	0.168	CD14;CD14;CD14	1stExon;5'UTR;5'UTR
cg16000017	chr1	95639346	-0.002	0.168	TMEM56	Body
cg23913941	chr8	141802121	-0.006	0.168	PTK2;PTK2	Body;Body
cg20147920	chr10	52008805	0.007	0.168	ASAH2;ASAH2	TSS1500;TSS1500
cg26162695	chr17	12921313	0.005	0.168	ELAC2;ELAC2;ELAC2;ELAC2;ELAC2;ELAC2	5'UTR;1stExon;1stExon;1stExon;5'UTR;5'UTR
cg21231400	chr5	155108085	0.014	0.168	-	-
cg22618350	chr1	91487603	0.005	0.168	ZNF644;ZNF644;ZNF644;ZNF644	5'UTR;1stExon;1stExon;5'UTR;TSS1500
cg24603408	chr8	22562397	0.016	0.168	-	-
cg22936975	chr13	61989412	0.002	0.168	PCDH20;PCDH20	5'UTR;1stExon
cg20197989	chr17	260058	0.007	0.168	C17orf97	TSS200
cg10730174	chr1	170633559	0.003	0.168	PRRX1;PRRX1	1stExon;1stExon
cg20220678	chr8	19243209	-0.045	0.168	SH2D4A	Body
cg13513498	chr8	102170922	-0.01	0.168	-	-
cg16572600	chr11	64617631	-0.002	0.168	-	-
cg11891579	chr5	158478533	0.007	0.168	EBF1	Body
cg16982291	chr2	190715638	-0.003	0.168	PMS1;PMS1;PMS1	Body;Body;Body
cg08895260	chr11	82756563	-0.005	0.168	RAB30	5'UTR
cg21752583	chr4	3521753	-0.005	0.168	LRPAP1	Body
cg25101061	chr5	176739547	0.007	0.168	MXD3;MXD3	TSS1500;TSS1500
cg05080926	chr6	31129626	-0.004	0.168	TCF19;TCF19	Body;Body
cg06097994	chr17	77043171	-0.014	0.168	C1QTNF1;C1QTNF1;C1QTNF1	Body;Body;Body
cg02471784	chr12	10826906	0.005	0.168	STYK1	TSS200
cg02002494	chr3	119013045	0.013	0.168	CDGAP	TSS200
cg21460402	chr11	8285031	0.009	0.168	LMO1;LMO1	1stExon;5'UTR
cg12585914	chr19	14530184	0.007	0.168	DDX39	TSS200
cg00848167	chr15	89921898	0.028	0.168	LOC254559	Body
cg06711254	chr2	186924071	-0.018	0.168	-	-
cg23455517	chr19	49315679	0.004	0.168	BCAT2;BCAT2;BCAT2	TSS1500;TSS1500;TSS1500
cg01921956	chr2	75785874	-0.006	0.168	FAM176A;FAM176A	5'UTR;5'UTR
cg07735571	chr22	39796170	0.003	0.168	MAP3K7IP1;MAP3K7IP1	Body;Body
cg01437482	chr14	100772378	0.004	0.168	SLC25A29	Body
cg19300549	chr6	54200888	-0.005	0.168	TINAG	Body
cg16248937	chr2	76925398	-0.004	0.168	-	-
cg22366626	chr3	15140889	0.002	0.168	ZFYVE20	TSS1500
cg11688628	chr1	26146208	0.011	0.168	FAM54B;FAM54B;FAM54B;FAM54B	TSS200;TSS200;TSS1500;TSS1500
cg12139190	chr11	3014171	0.01	0.168	NAP1L4	TSS1500
cg18945035	chr1	150122690	0.007	0.168	PLEKH01	Body
cg10924691	chr14	21439548	0.007	0.168	-	-
cg16892443	chr20	24899890	0.023	0.168	-	-
cg15848147	chr4	120132554	-0.011	0.168	USP53	TSS1500
cg12392998	chr17	7950668	-0.007	0.168	NPLOC4	Body
cg25395108	chr6	167412704	0.005	0.168	FGFR1OP;FGFR1OP	TSS200;TSS200
cg15531788	chr10	38146671	0.027	0.168	ZNF248	TSS200
cg15901647	chr1	18687127	-0.025	0.168	IGSF21	Body
cg11145412	chr12	123476443	-0.012	0.168	PITPNM2	Body
cg02175291	chr11	10329568	0.006	0.168	-	-
cg18047032	chr5	90576987	0.011	0.168	-	-
cg15602241	chr14	27066771	0.004	0.168	NOVA1;NOVA1;NOVA1;NOVA1	5'UTR;5'UTR;5'UTR;1stExon;1stExon;1stExon
cg24228707	chr2	172948725	0.016	0.168	DLX1;DLX1	TSS1500;TSS1500
cg10950395	chr3	118959933	0.002	0.168	B4GALT4;B4GALT4	TSS200;TSS200
cg10552847	chr5	74632966	0.01	0.168	HMGCR;HMGCR	TSS200;TSS200
cg20685898	chr2	149792936	-0.005	0.168	KIF5C	Body
cg04538990	chr11	23980861	-0.004	0.168	-	-
cg00966255	chr16	10479562	-0.013	0.168	-	-
cg03955296	chr1	157107917	0.01	0.168	ETV3;ETV3	5'UTR;5'UTR
cg04044526	chr2	27593297	0.006	0.168	EIF2B4;EIF2B4;SNX17;EIF2B4;EIF2B4;EIF2B4	5'UTR;5'UTR;TSS200;TSS1500;1stExon;1stExon
cg14095148	chr17	57410082	0.003	0.168	YPEL2	5'UTR

cg14381390	chr4	2044056	0.007	0.168	C4orf48;C4orf48	Body;5'UTR
cg21229268	chr21	34442350	0.004	0.168	OLIG1	TSS200
cg12397981	chr15	101814046	-0.004	0.168	SELS;SELS	Body;Body
cg20147335	chr22	22020155	0.017	0.168	PPIL2;PPIL2;PPIL2	TSS200;TSS200;TSS200
cg09537031	chr8	19171706	0.002	0.168	SH2D4A	5'UTR
cg00374333	chr2	224702156	0.003	0.168	AP1S3	Body
cg00881086	chr3	132441942	0.007	0.168	NCRNA00119;NPHP3	Body;TSS1500
cg06204618	chr3	191715823	-0.01	0.168	-	-
cg09816282	chr12	115736146	-0.021	0.168	-	-
cg17647823	chr2	47290974	-0.014	0.168	TTC7A	Body
cg18816996	chr5	178018186	-0.027	0.168	COL23A1	TSS1500
cg00327185	chr11	111896498	0.004	0.168	DLAT	Body
cg08413565	chr3	129035733	0.01	0.168	H1FX;C3orf47	TSS1500;Body
cg00659029	chr16	88165938	-0.022	0.168	-	-
cg10437224	chr4	7373451	-0.007	0.168	SORCS2	Body
cg17949981	chr6	28129498	0.014	0.168	ZNF389	TSS200
cg26151675	chr1	24240069	0.004	0.168	CNR2	TSS1500
cg23109191	chr11	78128445	0.004	0.168	GAB2	Body
cg26555401	chr1	93811631	0.003	0.168	DR1;DR1	5'UTR;1stExon
cg25580076	chr10	102748541	-0.003	0.168	C10orf2;MRPL43;MRPL43;MRPL43;C10	1stExon;TSS1500;TSS1500;1stExon;5'UTR;5'UTR;TSS1500
cg24597363	chr4	1294996	-0.006	0.168	MAEA;MAEA	Body;Body
cg12134408	chr19	36519412	-0.007	0.168	CLIP3	Body
cg02264471	chr6	32161747	-0.004	0.168	GPSM3	5'UTR
cg03828224	chr5	122372728	0.004	0.168	PPIC	TSS1500
cg17480669	chr5	40835317	0.025	0.168	RPL37;RPL37	1stExon;5'UTR
cg21946524	chr11	64905136	-0.016	0.168	-	-
cg21765441	chr6	31924492	-0.011	0.168	RDBP	Body
cg00812299	chr1	61508853	0.009	0.168	-	-
cg11335436	chr11	66360554	0.01	0.168	CCS;CCDC87	TSS200;TSS200
cg01791523	chr13	111145770	-0.002	0.168	COL4A2	Body
cg03032214	chr18	74961809	0.008	0.168	GALR1	TSS200
cg15796978	chr2	48982509	0.021	0.168	LHCGR	Body
cg02276686	chr14	90722856	0.005	0.168	PSMC1	TSS200
cg11365360	chr3	184279509	0.007	0.168	EPHB3	TSS200
cg12039664	chr20	61148894	0.005	0.168	C20orf166;C20orf200	5'UTR;TSS200
cg03628748	chr9	87285133	0.014	0.168	NTRK2;NTRK2;NTRK2;NTRK2;NTRK2	5'UTR;5'UTR;5'UTR;5'UTR;5'UTR
cg14685946	chr2	223784609	-0.014	0.168	ACSL3;ACSL3	Body;Body
cg07044619	chr16	28986309	0.006	0.168	SPNS1;SPNS1;SPNS1;SPNS1;SPNS1;SPNS	1stExon;1stExon;5'UTR;1stExon;5'UTR;5'UTR;1stExon;5'UTR
cg13887205	chr5	139525946	0.004	0.168	-	-
cg27081585	chr12	107280558	-0.003	0.168	RIC8B	3'UTR
cg20619374	chr1	20916179	0.026	0.168	CDA	Body
cg06211794	chr20	48330587	0.011	0.168	B4GALT5	TSS200
cg16616449	chr5	176739309	0.004	0.168	MXD3;MXD3	TSS200;TSS200
cg22388634	chr20	25058429	0.004	0.168	VSX1	Body
cg04861460	chr10	102499989	0.005	0.168	-	-
cg09064848	chr17	3627007	0.006	0.168	ITGAE;GSG2	Body;TSS200
cg25313698	chr12	133182638	-0.022	0.168	-	-
cg05198900	chr11	625023	-0.01	0.168	MUPCDH;MUPCDH	TSS200;TSS200
cg26576454	chr1	94717263	-0.003	0.168	-	-
cg02033116	chr19	33571857	0.005	0.168	GPATCH1;GPATCH1	1stExon;5'UTR
cg02460251	chr5	176107427	0.007	0.168	-	-
cg10670376	chr5	142432538	-0.01	0.168	ARHGAP26;ARHGAP26	Body;Body
cg03419320	chr4	152327153	-0.01	0.168	-	-
cg08056012	chr3	130612679	0.006	0.169	ATP2C1;ATP2C1;ATP2C1;ATP2C1	TSS1500;TSS1500;TSS1500;TSS1500
cg25451082	chr4	114901059	0.004	0.169	ARJ1	TSS200
cg13386351	chr17	9479935	0.006	0.169	WDR16;WDR16;STX8	TSS200;TSS200;TSS1500
cg14009013	chr17	47300216	-0.01	0.169	ABI3;ABI3	3'UTR;3'UTR
cg19132232	chr3	57681100	-0.001	0.169	-	-
cg07084973	chr3	49209008	0.009	0.169	KLHDC8B	TSS200
ch.21.3986671	chr21	40944915	0.005	0.169	-	-
cg16322655	chr11	31391333	0.003	0.169	DNAJC24;DCDC1	TSS200;TSS200
cg22939802	chr11	118024134	0.009	0.169	SCN4B;SCN4B	TSS1500;TSS1500
cg01820777	chr7	1499734	0.011	0.169	MICALL2	TSS1500
cg08802604	chr6	167039963	0.005	0.169	RPS6KA2;RPS6KA2	Body;Body
cg13678112	chr14	89029552	0.006	0.169	ZC3H14;ZC3H14;ZC3H14;ZC3H14;ZC3H14	TSS200;Body;Body;Body;Body
cg04028874	chr1	26700681	-0.029	0.169	ZNF683;ZNF683	TSS1500;TSS1500
cg05509087	chr12	48499535	0.01	0.169	SENP1;SENP1;PFKM	5'UTR;1stExon;TSS200
cg13267747	chr5	141031176	0.008	0.169	FCHSD1	TSS200
cg00074746	chr6	116781794	-0.004	0.169	FAM26F	TSS1500
cg20189904	chr20	35974307	0.017	0.169	SRC;SRC	TSS1500;5'UTR
cg19916067	chr8	143389706	-0.005	0.169	TSNARE1	Body
cg11328704	chr5	108063900	0.01	0.169	-	-
cg17102199	chr7	803453	-0.007	0.169	HEATR2	Body
cg23785114	chr8	1153402	-0.005	0.169	-	-
cg19863752	chr5	175970067	0.016	0.169	-	-
cg18745131	chr7	1269963	0.004	0.169	-	-
cg05817552	chr1	154972965	0.005	0.169	-	-
cg06102257	chr17	730054	-0.002	0.169	NXN	Body
cg21187769	chr4	93226495	0.001	0.169	GRID2	Body
cg19595223	chr19	36218825	-0.017	0.169	MLL4	Body
cg00025795	chr17	77983156	-0.008	0.169	TBC1D16	Body
cg16734947	chr8	124780351	0.006	0.169	FAM91A1	TSS1500
cg19836174	chr5	149921140	-0.007	0.169	NDST1	Body
cg18224993	chr11	78521705	-0.002	0.169	ODZ4	Body
cg07796823	chr5	45696928	-0.005	0.169	HCN1	TSS1500
cg27291051	chr18	12705819	-0.002	0.169	PSMG2	Body
cg00493429	chr3	173574358	-0.046	0.169	NLGN1	Body
cg19106179	chr7	2082434	-0.007	0.169	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg09495977	chr4	8271507	0.01	0.169	HTRA3;HTRA3	5'UTR;1stExon
cg14690980	chr7	81400745	-0.014	0.169	HGF;HGF;HGF;HGF;HGF	TSS1500;TSS1500;TSS1500;TSS1500;TSS1500
cg18360825	chr10	102766458	-0.008	0.169	LZTS2	Body
cg04109349	chr1	245317172	0.011	0.169	KIF26B	TSS1500
cg22117438	chr4	87269436	-0.003	0.169	MAPK10;MAPK10;MAPK10	5'UTR;5'UTR;5'UTR
cg16522053	chr20	2501409	-0.012	0.169	-	-
cg11177333	chr3	195857752	-0.017	0.169	-	-
cg23317907	chr2	222437071	0.009	0.169	EPHA4	TSS200
cg18172330	chr1	38157784	0.006	0.169	CDC48	TSS1500
cg08712866	chr4	157997526	0.007	0.169	GLRB;GLRB;GLRB	TSS200;5'UTR;5'UTR
cg09215936	chr15	93588548	-0.003	0.169	RGMA;RGMA;RGMA;RGMA;RGMA;RGM	Body;Body;Body;Body;Body;Body
cg23072908	chr1	35250360	-0.012	0.169	GJB3;GJB3	5'UTR;5'UTR
cg22763590	chr7	139373966	-0.002	0.169	HIPK2;HIPK2	Body;Body
cg06854927	chr16	1814157	-0.01	0.169	MAPK8IP3;MAPK8IP3	Body;Body
cg21787620	chr1	111682652	0.004	0.169	DRAM2;CEPT1;CEPT1	5'UTR;TSS200;5'UTR
cg17284070	chr5	473007	0.003	0.169	LOC25845	Body

cg25277353	chr17	74911529	-0.005	0.169	MGATS5B;MGATS5B	Body;Body
cg11692403	chr10	72191087	-0.002	0.169	-	-
cg01664124	chr1	42928162	-0.004	0.169	-	-
cg24462260	chr19	8555123	-0.021	0.169	PRAM1	Body
cg05111616	chr10	28032855	0.005	0.169	MKX	5'UTR
cg00352349	chr2	179316347	0.02	0.169	PRKRA;PRKRA;PRKRA;MIR548N;DFNB59;	TSS1500;TSS1500;TSS1500;Body;5'UTR;1stExon
cg16263224	chr15	26327895	0.004	0.169	-	-
cg02072366	chr12	54345056	0.006	0.169	-	-
cg13970218	chr7	103965666	-0.005	0.169	-	-
cg17684523	chr2	102857514	0.006	0.169	-	-
cg26143141	chr4	7740821	-0.005	0.169	SORCS2	Body
cg26635955	chr19	19654258	-0.01	0.169	CILP2	Body
cg24527751	chr2	171877888	-0.004	0.169	TLK1;TLK1;TLK1	Body;Body;Body
cg24100506	chr3	44903551	0.014	0.169	TMEM42	1stExon
cg15323084	chr1	1556707	-0.007	0.169	MIB2;MIB2;MIB2;MIB2;MIB2	Body;Body;Body;5'UTR;Body;Body
cg19895164	chr22	20791024	0.01	0.169	SCARF2;SCARF2	Body;Body
cg07374403	chr1	47134188	0.005	0.169	ATPAF1;ATPAF1	TSS200;TSS200
cg23634413	chr3	116534169	-0.006	0.169	-	-
cg01817067	chr12	117627223	-0.005	0.169	FBXO21;FBXO21	Body;Body
cg06337870	chr5	39074668	0.004	0.169	RICTOR	TSS200
cg22832254	chr2	121987665	-0.007	0.169	TFCP2L1	Body
cg21854725	chr20	62610842	0.006	0.169	SAMD10;SAMD10	1stExon;5'UTR
cg05525106	chr6	74162089	0.002	0.169	C6orf150	TSS200
cg11752152	chr2	106425135	-0.016	0.169	NCK2;NCK2	5'UTR;5'UTR
cg21012061	chr1	205568557	-0.037	0.169	MFS4	Body
cg20956407	chr5	149889677	-0.008	0.169	NDST1	5'UTR
cg25363317	chr19	6393052	0.002	0.169	GTF2F1;GTF2F1	5'UTR;1stExon
cg02713901	chr16	74640890	0.007	0.169	GLG1;GLG1;GLG1;GLG1;GLG1	Body;1stExon;1stExon;Body;1stExon
cg09906647	chr17	26939344	-0.011	0.169	FLJ25006;LOC645851	Body;TSS1500
cg04521449	chr9	94184131	-0.056	0.169	NFIL3	5'UTR
cg02511156	chr12	72666264	0.002	0.169	LOC283392;TRHDE;LOC283392	Body;TSS1500;Body
cg06545019	chr9	110250612	0.005	0.169	KLF4	Body
cg01749725	chr8	20147996	-0.035	0.169	-	-
cg24859316	chr1	201450362	0.013	0.169	-	-
cg19742055	chr13	78493365	0.01	0.169	EDNRB;EDNRB;EDNRB	TSS1500;5'UTR;TSS1500
cg22742965	chr2	192891657	-0.005	0.169	TMEFF2	Body
cg03006338	chr19	4402502	0.004	0.169	CHAF1A	TSS200
cg02355680	chr13	110591252	-0.004	0.169	-	-
cg23217005	chr16	56691744	0.014	0.169	MT1F	TSS200
cg22968445	chr12	42538818	0.009	0.169	GXYLT1;GXYLT1	TSS200;TSS200
cg25479216	chr9	100818684	0.003	0.169	NANS	TSS1500
cg20388168	chr6	43153885	-0.006	0.169	CUL9	Body
cg20792833	chr11	67205195	0.014	0.169	PTPRCAP	TSS200
cg02469838	chr16	54404655	0.005	0.169	-	-
cg09814128	chr4	178243783	-0.002	0.169	NEIL3	Body
cg02445282	chr5	14359581	-0.008	0.169	TRIO	Body
cg19268017	chr7	70060835	0.009	0.169	AUTS2;AUTS2	Body;Body
cg08432053	chr6	109102825	-0.005	0.169	-	-
cg26520930	chr1	41250117	0.009	0.169	KCNQ4;KCNQ4	Body;Body
cg03846951	chr6	167764967	0.005	0.169	-	-
cg17410922	chr3	44903463	0.005	0.169	MIRS64;TMEM42	Body;1stExon
cg13696490	chr3	151488006	-0.011	0.169	LOC201651	TSS1500
cg09145322	chr11	67766631	-0.012	0.169	UNC93B1	Body
cg01065938	chr1	224925516	-0.002	0.169	CNIH3	Body
cg14035095	chr9	136243334	0.014	0.169	C9orf96;C9orf96;SURF4	5'UTR;1stExon;TSS1500
cg17731261	chr7	100493811	0.003	0.169	ACHE;ACHE	TSS1500;TSS1500
cg24627789	chr8	1338463	-0.004	0.169	-	-
cg18587271	chr16	46917496	0.005	0.169	GPT2	TSS1500
cg14368382	chr9	71881186	-0.006	0.169	-	-
cg13126530	chr14	102026230	0.004	0.169	DIO3	TSS1500
cg13599477	chr10	5488485	0.001	0.169	NET1;NET1	Body;TSS200
cg01828753	chr6	99272871	0.003	0.169	-	-
cg27331316	chr1	34175343	-0.002	0.169	CSMD2	Body
cg04009784	chr8	2096275	-0.002	0.169	-	-
cg08080334	chr6	28574585	-0.03	0.169	-	-
cg03134285	chr1	67836673	-0.003	0.169	IL12RB2	Body
cg12353802	chr22	33310132	-0.031	0.169	SYN3;SYN3;SYN3	Body;Body;Body
cg10680235	chr15	85430038	-0.004	0.169	SLC28A1;SLC28A1	5'UTR;5'UTR
cg06257353	chr13	33161395	0.006	0.169	PDS5B	5'UTR
cg00443516	chr1	2061836	-0.003	0.169	PRKCZ;PRKCZ;PRKCZ	5'UTR;Body;5'UTR
cg05134831	chr1	36621785	0.008	0.169	MAP7D1	TSS200
cg00196787	chr17	32907132	0.015	0.169	TMEM132E;C17orf102	TSS1500;TSS1500
cg26864028	chr19	11494980	0.006	0.169	EPOR;EPOR	1stExon;5'UTR
cg01120851	chr1	6657644	-0.004	0.169	KLHL21	Body
cg00707452	chr3	71634044	0.002	0.169	FOXP1;FOXP1	TSS1500;TSS1500
cg16071359	chr2	169312933	0.012	0.169	LASS6;LASS6	5'UTR;1stExon
cg02331143	chr1	42128043	0.009	0.169	HIVEP3;HIVEP3	5'UTR;5'UTR
cg27203895	chr11	131369037	-0.005	0.17	NTM	Body
cg03535830	chr1	110934327	0.048	0.17	SLC16A4	TSS1500
cg03569283	chr8	142222314	-0.003	0.17	SLC45A4	Body
cg22879191	chr7	101468767	-0.004	0.17	CUX1;CUX1;CUX1	Body;Body;Body
cg10414229	chr12	110940172	0.011	0.17	RAD9B;VPS29;VPS29	1stExon;TSS1500;TSS1500
cg06614002	chr22	38380439	-0.011	0.17	SOX10;SOX10	1stExon;5'UTR
cg04789392	chr1	82284869	-0.009	0.17	LPHN2	5'UTR
cg17076592	chr1	52499691	-0.007	0.17	TXNDC12;XTI12	Body;TSS1500
cg16428008	chr17	74707253	0.006	0.17	MXRA7;MXRA7;MXRA7	TSS200;TSS200;TSS200
cg22138278	chr8	145158307	0.007	0.17	MAF1;SHARPIN	TSS1500;Body
cg16292343	chr8	144545981	-0.021	0.17	ZC3H3	Body
cg08195505	chr3	185826362	0.004	0.17	ETV5	5'UTR
cg06643271	chr17	76128170	0.011	0.17	TMC8;TMC6	Body;5'UTR
cg15363270	chr10	75936262	0.004	0.17	ADK;ADK	TSS200;Body
cg14601550	chr17	40346443	0.011	0.17	GHDC;GHDC;GHDC;GHDC;GHDC;GHDC	TSS200;5'UTR;1stExon;1stExon;5'UTR;1stExon;5'UTR
cg10297491	chr10	11059677	0.005	0.17	CUGBP2;CUGBP2	Body;TSS1500
cg24648061	chr7	107114615	-0.038	0.17	COG5;COG5;COG5;GPR22	Body;Body;Body;Body
cg11028664	chr6	64729109	-0.006	0.17	EYS	Body
cg01122167	chr5	149650243	-0.003	0.17	CAMK2A;CAMK2A	Body;Body
cg02276490	chr1	32859513	0.006	0.17	BSDC1;BSDC1;BSDC1;BSDC1	Body;Body;Body;Body
cg22946774	chr11	26581996	-0.009	0.17	MUC15;ANO3;MUC15;MUC15	3'UTR;Body;3'UTR;3'UTR
cg05588757	chr2	95825608	0.005	0.17	ZNF514	TSS1500
cg20158317	chr2	61405051	0.007	0.17	AHSA2;AHSA2	1stExon;5'UTR
cg19928046	chr5	149792249	0.002	0.17	CD74;CD74;CD74	1stExon;1stExon;1stExon
cg07070893	chr1	44412074	0.004	0.17	IPO13	TSS1500
cg13694824	chr11	111957265	0.013	0.17	TIMM8B;SDHD;TIMM8B	Body;TSS1500;Body
cg07102474	chr17	61499248	-0.001	0.17	TANC2	Body

cg19682684	chr1	54958573	-0.006	0.17	-	-
cg02169734	chr6	80656973	0.006	0.17	ELOVL4	1stExon
cg24838010	chr17	78194695	0.025	0.17	SLC26A11;SLC26A11;SGSH;SLC	5'UTR;5'UTR;5'UTR;5'UTR;TSS1500;5'UTR
cg05017226	chr19	515151	-0.008	0.17	C19orf20	Body
cg10052782	chr16	27063429	-0.005	0.17	-	-
cg17907945	chr1	193074770	0.004	0.17	GLRX2;GLRX2;GLRX2	1stExon;TSS1500;5'UTR
cg01038479	chr17	35767307	0.003	0.17	TADA2A;ACACA;TADA2A;ACACA;TADA2	TSS200;TSS1500;5'UTR;TSS1500;TSS200
cg06132694	chr4	11895172	0.003	0.17	NDST3	TSS1500
cg00979195	chr5	132155965	0.008	0.17	-	-
cg07816229	chr5	154317915	0.026	0.17	GEMIN5	TSS200
cg00874558	chr8	2021720	-0.006	0.17	MYOM2	Body
cg17652435	chr17	36103066	0.005	0.17	HNF1B;HNF1B	Body;Body
cg12653922	chr1	235668002	0.007	0.17	B3GALNT2	TSS1500
cg14628889	chr2	99758281	0.009	0.17	C2orf15;TSGA10;C2orf15;TSGA10	1stExon;TSS1500;5'UTR;5'UTR
cg17079961	chr1	146644369	0.004	0.17	PRKAB2	TSS1500
cg06637812	chr1	203293433	0.018	0.17	-	-
cg14986357	chr1	44888866	-0.01	0.17	RNF220	Body
cg09732563	chr2	75196679	-0.007	0.17	POLE4	3'UTR
cg14328115	chr11	2554562	0.006	0.17	KCNQ1;KCNQ1	Body;Body
cg11502800	chr19	36705772	0.001	0.17	ZNF146;ZNF146;ZNF146;ZNF146;ZNF565	1stExon;1stExon;5'UTR;5'UTR;TSS1500;5'UTR;5'UTR;1stExon
cg21248188	chr9	137975180	-0.035	0.17	OLFM1;OLFM1	Body;Body
cg00252442	chr1	201451260	0.007	0.17	-	-
cg09970552	chr11	57520334	-0.005	0.17	BTBD18	TSS1500
cg17664568	chr10	98346460	0.018	0.17	TM9SF3	Body
cg04922833	chr10	77161525	0.01	0.17	C10orf41;ZNF503	Body;TSS200
cg24551917	chr2	206568291	-0.002	0.17	NRP2;NRP2;NRP2;NRP2;NRP2;NRP2	Body;Body;Body;Body;Body;Body
cg03673688	chr22	30818470	-0.012	0.17	SEC14L2	3'UTR
cg01533021	chr13	27845190	0.003	0.17	RASL11A	1stExon
cg20229014	chr8	134529378	0.008	0.17	ST3GAL1;ST3GAL1	5'UTR;5'UTR
cg04641787	chr10	8096154	0.012	0.17	FLJ45983;GATA3;GATA3;FLJ45983	TSS1500;TSS1500;TSS1500;TSS1500
cg18575176	chr7	82791634	0.009	0.17	PCL0;PCL0	Body;Body
cg25943503	chr13	36705608	0.007	0.17	DCLK1	TSS200
cg18123753	chr17	20905787	-0.004	0.17	USP22	3'UTR
cg04780454	chr17	1647819	-0.01	0.17	SERPINF2;SERPINF2;SERPINF2	5'UTR;5'UTR;5'UTR
cg11589749	chr5	74807973	0.003	0.17	COL4A3BP;COL4A3BP;COL4A3BP;POLK	TSS1500;TSS1500;TSS200;5'UTR
cg21793342	chr22	19431570	-0.012	0.17	C22orf39;C22orf39	Body;3'UTR
cg16510278	chr2	20063376	0.012	0.17	-	-
cg05754808	chr9	100881659	0.011	0.17	TRIM14;TRIM14;TRIM14;TRIM14	TSS200;TSS200;TSS200;TSS200
cg24916100	chr11	62538805	0.006	0.17	TAF6L	TSS200
cg00418027	chr9	96716998	0.008	0.17	BARX1	Body
cg23839074	chr6	24494793	0.007	0.17	ALDH5A1;ALDH5A1	TSS1500;TSS1500
cg00274203	chr12	56661537	-0.018	0.17	COQ10A;COQ10A	Body;Body
cg02899011	chr14	59223051	-0.003	0.17	-	-
cg06917727	chr15	70396123	-0.008	0.17	-	-
cg25769755	chr1	1342720	0.01	0.17	MRPL20	TSS200
cg04609307	chr1	8378356	0.006	0.17	-	-
cg18895155	chr7	99214691	0.004	0.17	ZNF498	5'UTR
cg09185754	chr10	1095081	0.004	0.17	IDI1	TSS200
cg00692763	chr18	47088373	0.005	0.17	LIPG	TSS200
cg21965516	chr11	64781475	0.005	0.17	ARL2	TSS200
cg24482053	chr14	75518003	0.009	0.17	MLH3;MLH3	5'UTR;5'UTR
cg07725970	chr12	27091851	0.012	0.17	FGFR1OP2;C12orf11	5'UTR;TSS1500
cg14420953	chr6	36558154	-0.006	0.17	-	-
cg10459202	chr4	3377595	-0.017	0.17	RGS12;RGS12;RGS12	Body;Body;Body
cg00584683	chr2	101435094	0.006	0.17	-	-
cg21336288	chr8	117742444	-0.003	0.17	EIF3H	Body
cg16762849	chr6	2141241	-0.049	0.17	GMDS	Body
cg15441325	chr3	106959341	0.006	0.17	LOC344595;LOC100302640;LOC344595	TSS200;Body;TSS200
cg16391151	chr7	30518197	0.003	0.17	NOD1	5'UTR
cg19037652	chr7	43909250	0.004	0.17	MRPS24	TSS200
cg24357890	chr3	11299312	0.03	0.17	HRH1;HRH1;HRH1;HRH1	5'UTR;5'UTR;5'UTR;5'UTR
cg13898357	chr9	12775750	0.003	0.17	C9orf150	1stExon
cg07238926	chr10	118350475	-0.004	0.17	PNLIPRP1	TSS200
cg08816869	chr17	79829959	0.034	0.17	ARHGDI1A	TSS1500
cg25730142	chr20	32031702	0.014	0.17	SNTA1	TSS200
cg06513673	chr1	2357638	-0.025	0.17	-	-
cg06473927	chr11	1568614	0.016	0.17	HCCA2	Body
cg26233468	chr1	155145786	0.005	0.17	TRIM46;KRTCAP2;KRTCAP2	TSS1500;1stExon;5'UTR
cg20047447	chr15	44084326	0.003	0.17	SERF2	TSS200
cg01593134	chr8	142190049	-0.012	0.17	DENND3	Body
cg19041146	chr11	118401536	0.016	0.17	TMEM25;TMEM25;TMEM25;TMEM25;T	TSS1500;TSS1500;TSS1500;TSS1500;Body;TSS1500
cg04571129	chr2	3472828	-0.004	0.17	TTC15	Body
cg18919323	chr12	111801411	-0.008	0.17	FAM109A	5'UTR
cg16380888	chr1	16563954	0.007	0.17	C1orf89	TSS1500
cg24910374	chr17	39554160	-0.007	0.17	KRT31	TSS1500
cg27284331	chr7	106297689	-0.051	0.17	-	-
cg21599081	chr4	1511568	-0.006	0.17	-	-
cg04611865	chr4	25162039	0.004	0.17	SEPSECS;SEPSECS;SEPSECS;SEPSECS;SEPS	1stExon;1stExon;1stExon;5'UTR;5'UTR;5'UTR
cg22068529	chr15	59730587	0.003	0.17	FAM81A	5'UTR
cg07726222	chr16	2125875	-0.006	0.17	TSC2;TSC2;TSC2	Body;Body;Body
cg19999705	chr6	34026903	-0.003	0.17	GRM4	Body
cg08760753	chr22	49069623	-0.005	0.17	FAM19A5;FAM19A5	Body;Body
cg14341030	chr12	14956580	0.002	0.17	WBP11;C12orf60;C12orf60	TSS200;1stExon;5'UTR
cg06057141	chr7	45026417	0.003	0.17	SNORA9;C7orf40	TSS1500;TSS200
cg21982924	chr6	31516059	-0.024	0.17	ATP6V1G2;NFKBIL1;NFKBIL1;NFKBIL1;AT	TSS1500;Body;Body;Body;TSS1500;Body
cg16885702	chr2	19547752	0.017	0.17	-	-
cg09275406	chr1	62786082	-0.002	0.17	KANK4	TSS1500
cg24313303	chr1	27113219	0.009	0.17	PIGV	TSS1500
cg04995536	chr20	61640357	0.013	0.17	-	-
cg15055810	chr12	120650476	-0.005	0.17	PXN;PXN;PXN	Body;Body;Body
cg18483265	chr7	2083181	-0.002	0.17	MAD1L1;MAD1L1;MAD1L1	Body;Body;Body
cg17305617	chr6	2246062	0.006	0.17	GMDS	TSS1500
cg15113009	chr11	125297719	-0.011	0.17	PKNOX2	Body
cg24771804	chr18	55107755	0.008	0.17	ONECUT2	Body
cg17256555	chr8	117778488	0.005	0.17	UTP23	TSS1500
cg06473109	chr16	3068467	0.008	0.17	CLDN6	TSS1500
cg17001034	chr1	55008516	0.004	0.17	-	-
cg16200325	chr10	134371960	-0.017	0.17	INPP5A	Body
cg06226431	chr1	32110507	0.003	0.17	PEF1	TSS200
cg20926282	chr5	159214718	-0.005	0.17	-	-
cg18057904	chr17	291503	-0.01	0.17	FAM101B	3'UTR
cg15720995	chr12	29936972	0.018	0.17	TMTC1	5'UTR
cg19459094	chr5	176856845	0.011	0.17	GRK6;GRK6;GRK6	Body;Body;Body
cg09845996	chr6	32094905	-0.023	0.17	ATF6B;ATF6B	Body;Body

cg21025876	chr19	4008166	0.003	0.171	PIAS4	Body
cg11741902	chr3	57113245	0.005	0.171	ARHGFE3	5'UTR
cg11152167	chr1	64567482	-0.005	0.171	ROR1;ROR1	Body;Body
cg12224633	chr6	34393398	0.002	0.171	RPS10	5'UTR
cg14647989	chr22	43824766	-0.003	0.171	MPPED1	Body
cg13109482	chr2	3381345	0.005	0.171	TSSC1	Body
cg05343289	chr1	169600704	-0.029	0.171	SELP	TSS1500
cg18879646	chr1	8990278	0.004	0.171	LRRCB8	TSS200
cg17829401	chr3	9975317	0.008	0.171	CRELD1;CRELD1;CRELD1	TSS200;TSS200;TSS200
cg02071076	chr4	184827086	0.008	0.171	STOX2;STOX2	1stExon;5'UTR
cg06983551	chr2	111435583	0.017	0.171	BUB1;BUB1	1stExon;5'UTR
cg19857633	chr19	13264064	0.007	0.171	IER2	Body
cg17047734	chr17	5095455	0.007	0.171	ZNF594	TSS1500
cg02458882	chr10	13142345	0.018	0.171	OPTN;OPTN;OPTN;OPTN	5'UTR;5'UTR;5'UTR;5'UTR
cg06761220	chr2	239078090	-0.008	0.171	-	-
cg00565688	chr1	3568212	0.012	0.171	TP73	TSS1500
cg17298788	chr1	3491634	-0.002	0.171	MEGF6	Body
cg24158546	chr20	34542777	0.005	0.171	SCAND1;SCAND1	TSS1500;TSS1500
cg27328839	chr10	79679462	-0.003	0.171	DLG5	Body
cg07073964	chr19	698371	-0.043	0.171	-	-
cg21134678	chr6	33264516	-0.006	0.171	RGL2;RGL2	Body;Body
cg10826257	chr11	46727451	-0.009	0.171	ZNF408	3'UTR
cg06610876	chr12	89577551	-0.002	0.171	-	-
cg04236924	chr11	34951024	-0.006	0.171	PDHX;PDHX;PDHX	Body;Body;Body
cg17147728	chr15	55880224	0.005	0.171	PYGO1	Body
cg04190530	chr3	12598397	0.005	0.171	MKRN2	TSS200
cg15868208	chr11	72536190	-0.007	0.171	ATG16L2	Body
cg05186036	chr2	29092895	0.004	0.171	TRMT61B	1stExon
cg27378180	chr15	76005446	0.014	0.171	CSPG4	TSS1500
cg24844441	chr3	183898841	-0.006	0.171	AP2M1;AP2M1	Body;Body
cg23202409	chr11	62439262	0.005	0.171	C11orf83;C11orf48	1stExon;TSS200
cg06839854	chr2	10536115	-0.005	0.171	HPCAL1;HPCAL1	5'UTR;5'UTR
cg11204000	chr1	32574234	0.005	0.171	KPNA6	Body
cg04820270	chr11	64319262	-0.007	0.171	-	-
cg07719617	chr2	239169696	-0.007	0.171	PER2	Body
cg23938476	chr6	30615339	0.008	0.171	C6orf136;C6orf136;C6orf136	Body;1stExon;Body
cg19536594	chr5	58330953	0.004	0.171	PPAP2A;RNF138P1;PPAP2A	TSS200;TSS1500;TSS200
cg02215357	chr13	53191046	0.045	0.171	HNRNPA1L2;HNRNPA1L2	TSS1500;TSS1500
cg17001689	chr6	32055525	0.01	0.171	TNXB	Body
cg12362059	chr17	78389579	0.007	0.171	FLJ35220;LOC100294362;FLJ35220;FLJ35220	Body;TSS1500;Body;Body
cg08530760	chr3	47887839	-0.004	0.171	DHX30;DHX30	Body;Body
cg17133967	chr10	60144921	0.004	0.171	TFAM	TSS1500
cg10134156	chr14	77732494	-0.003	0.171	MIR1260;NGB	TSS200;3'UTR
cg11580212	chr5	45098028	-0.004	0.171	-	-
cg16490896	chr11	72853324	0.005	0.171	FCHSD2	TSS200
cg10662943	chr13	30938773	-0.005	0.171	LOC100188949	Body
cg05932159	chr6	31324319	0.014	0.171	HLA-B	Body
cg26394466	chr2	9283140	0.002	0.171	-	-
cg00176879	chr20	2843525	-0.013	0.171	VPS16;PTPRA;VPS16	Body;TSS1500;Body
cg12675800	chr14	39639447	0.007	0.171	TRAPPC6B;TRAPPC6B;TRAPPC6B;TRAPPC6B	5'UTR;1stExon;1stExon;5'UTR
cg16755038	chr17	55939089	0.013	0.171	-	-
cg13604887	chr19	22018953	0.004	0.171	ZNF43;ZNF43	5'UTR;1stExon
cg27091643	chr12	64977593	0.012	0.171	-	-
cg08917831	chr6	30585023	0.011	0.171	MRPS18B;PPP1R10	TSS1500;TSS200
cg02150363	chr17	72300402	-0.008	0.171	DNAI2	Body
cg06851151	chr5	133436368	0.013	0.171	-	-
cg09605164	chr7	152622787	0.01	0.171	-	-
cg15806780	chr11	117515100	-0.003	0.171	DSCAML1	Body
cg04408225	chr14	95623684	0.005	0.171	DICER1;DICER1;FLJ45244	1stExon;5'UTR;TSS1500
cg15553391	chr6	166260456	-0.034	0.171	-	-
cg03013172	chr19	5688456	-0.007	0.171	HSD11B1L;HSD11B1L;HSD11B1L;HSD11B1L	3'UTR;3'UTR;3'UTR;3'UTR;3'UTR;3'UTR
cg20772375	chr5	5495359	-0.023	0.171	-	-
cg20165074	chr7	31091813	0.004	0.171	ADCYAP1R1	TSS1500
cg25928493	chr5	146259944	-0.003	0.171	PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B	5'UTR;Body;5'UTR;Body;TSS1500
cg12953443	chr18	13726605	0.003	0.171	RNMT;C18orf19;C18orf19	TSS200;TSS200;TSS200
cg06380923	chr16	2273553	0.007	0.171	E4F1	TSS200
cg04529860	chr19	3990650	0.003	0.171	-	-
cg08709827	chr7	69923958	-0.004	0.171	AUTS2;AUTS2	Body;Body
cg02039465	chr12	252450	-0.006	0.171	IQSEC3;IQSEC3	Body;Body
cg21417843	chr1	31769635	0.004	0.171	ZCCHC17;SNRNP40;SNRNP40	TSS1500;1stExon;5'UTR
cg13866253	chr11	77093001	-0.052	0.171	PAK1;PAK1	Body;Body
cg05126289	chr1	156995411	-0.003	0.171	ARHGFE11;ARHGFE11	Body;Body
cg22052243	chr7	39652883	-0.005	0.171	-	-
cg04070995	chr10	100227617	0.006	0.171	HPSE2;HPSE2;HPSE2;HPSE2	Body;Body;Body;Body
cg26725274	chr18	29265487	0.005	0.171	B4GALT6	TSS1500
cg02073271	chr5	14428210	-0.002	0.171	TRIO	Body
cg01031271	chr7	98574177	-0.009	0.171	TRRAP	Body
cg16852685	chr4	154712145	0.006	0.171	-	-
cg06809635	chr1	40533357	-0.003	0.171	CAP1;CAP1	Body;Body
cg22403851	chr2	10952734	0.005	0.171	PDIA6	Body
cg03080377	chr15	63893412	0.002	0.171	FBXL22	Body
cg26668713	chr11	65405903	0.007	0.171	SIPA1	5'UTR
cg03705346	chr8	37962920	0.004	0.171	ASH2L;ASH2L	TSS1500;TSS200
cg01015090	chr19	498062	0.009	0.171	MADCAM1;MADCAM1	Body;Body
cg00846288	chr8	16919401	-0.003	0.171	EFHA2	Body
cg15128562	chr19	7895127	0.005	0.171	EVI5L	TSS200
cg11863989	chr14	102674989	-0.009	0.171	WDR20;WDR20;WDR20;WDR20	Body;Body;Body;Body
cg15549251	chr15	40426006	-0.003	0.171	-	-
cg24912438	chr4	122686564	0.01	0.171	TMEM155;LOC100192379	TSS1500;Body
cg25555505	chr7	4791054	-0.003	0.171	FOXK1	Body
cg02085794	chr2	235406874	-0.004	0.171	ARL4C	TSS1500
cg19584875	chr14	90528213	0.004	0.171	KCNK13;KCNK13	5'UTR;1stExon
cg03385727	chr4	153961048	-0.002	0.171	-	-
cg04470557	chr5	131630995	0.003	0.171	SLC22A4	Body
cg18210226	chr6	123317714	0.005	0.171	CLVS2;CLVS2	5'UTR;1stExon
cg23974202	chr2	135676486	0.008	0.171	CCNT2;CCNT2	1stExon;1stExon
cg02889869	chr10	33384895	-0.044	0.172	-	-
cg18914514	chr18	18822123	0.006	0.172	GREB1L	TSS200
cg26700407	chr16	22167861	-0.004	0.172	VWA3A	3'UTR
cg10784866	chr3	10378024	-0.003	0.172	ATP2B2;ATP2B2	Body;Body
cg08557649	chr15	76639713	0.006	0.172	-	-
cg06541795	chr1	209921370	0.01	0.172	-	-
cg13393964	chr16	20753279	0.008	0.172	THUMP1	TSS200
cg07004075	chr14	24649335	-0.006	0.172	REC8;REC8	3'UTR;3'UTR

cg01826682	chr2	105459097	0.003	0.173	-	-
cg20306842	chr7	28475265	-0.012	0.173	CREB5;CREB5;CREB5;CREB5	5'UTR;5'UTR;Body;1stExon
cg16597345	chr16	4466593	0.006	0.173	CORO7;CORO7	1stExon;5'UTR
cg18478794	chr15	40750913	-0.005	0.173	BAHD1	Body
cg24564503	chr20	36148264	-0.004	0.173	BLCAP;BLCAP;BLCAP;NNAT;NNAT	5'UTR;5'UTR;5'UTR;5'UTR;TSS1500;TSS1500;5'UTR
cg05256973	chr17	19989186	-0.013	0.173	CYTSB;CYTSB	TSS1500;TSS1500
cg13445763	chr1	62902662	0.006	0.173	USP1;USP1;USP1;USP1	5'UTR;5'UTR;1stExon;5'UTR
cg19343631	chr22	25817266	0.003	0.173	-	-
cg14575159	chr7	128509460	0.004	0.173	-	-
cg07515940	chr5	178487576	0.005	0.173	ZNF354C	TSS200
cg13950442	chr18	74206892	0.008	0.173	-	-
cg07210996	chr2	48338725	0.008	0.173	-	-
cg27272235	chr1	221061070	0.007	0.173	-	-
cg19013262	chr6	28304216	0.003	0.173	ZNF323;ZNF323;ZNF323;ZNF323;ZNF323	TSS1500;TSS200;5'UTR;TSS200;5'UTR;TSS1500
cg24005457	chr17	46662917	0.007	0.173	-	-